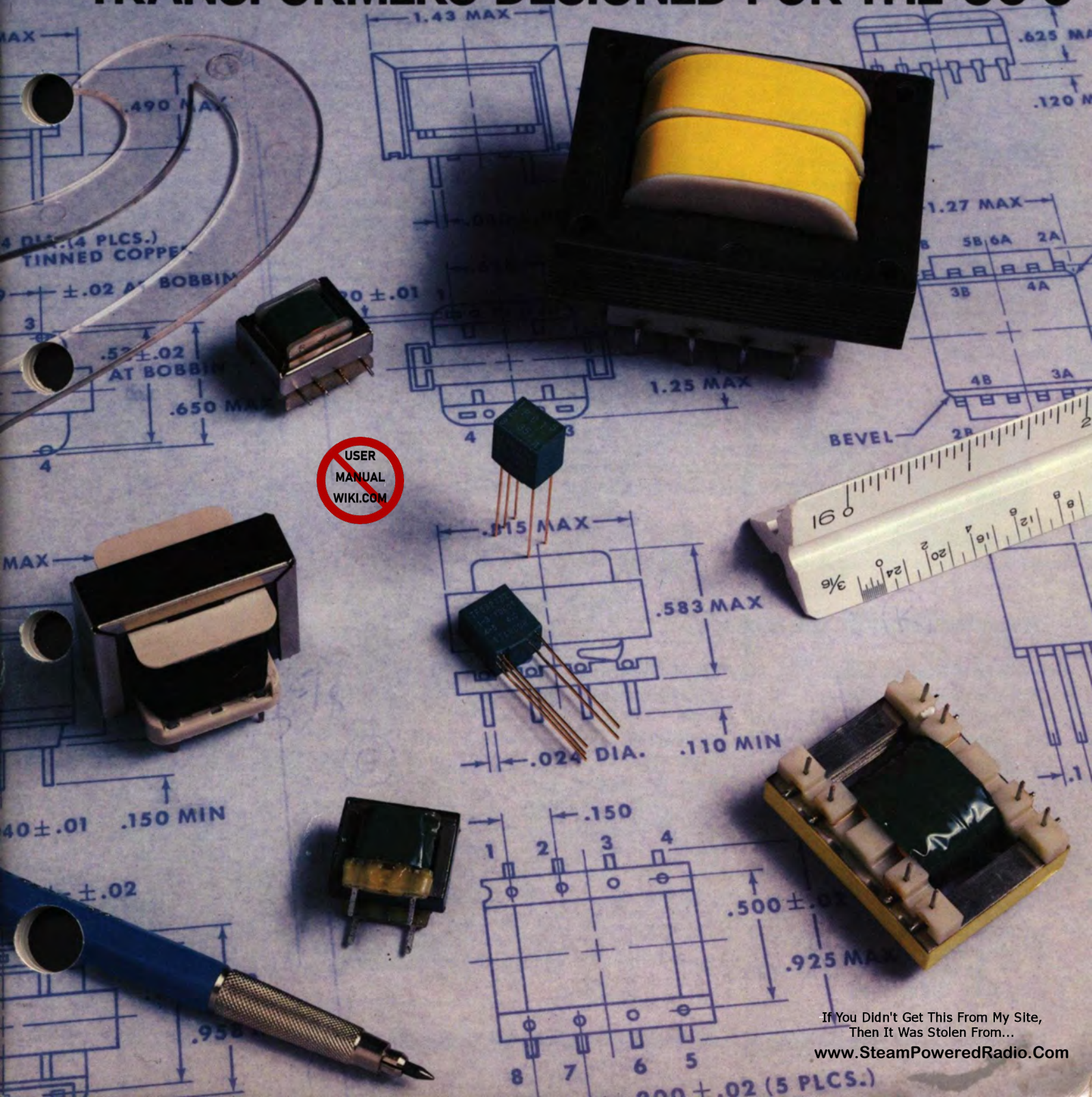


STANCOR®

TRANSFORMERS DESIGNED FOR THE 80'S



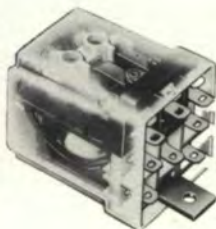
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STANCOR Family of Relays (RBM)

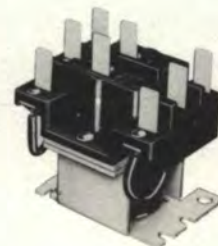
GENERAL PURPOSE RELAYS

Relays for general purpose applications are available with or without protective dust covers, and feature a wide variety of mounting possibilities. Designed for the operational flexibility required for a broad range of applications, they are easily adapted to printed circuit boards and available with either quick-connect or solder terminals.



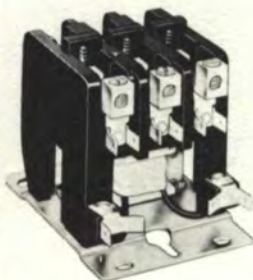
SPECIAL PURPOSE RELAYS

Complete lines of relays and controls have been specially engineered to meet the specific requirements of various industries. Features such as straight through wiring, quick-connect terminations, and lint covers, developed initially for Air Conditioning, Refrigeration, and Appliance manufacturers, have also been adapted to meet the control needs of a number of different product lines.



CONTACTORS

Originally engineered to solve the problems of Air Conditioning and Refrigeration manufacturers, the versatility of these RBM contactors has made them the preferred component for a number of other industries. Designed for use in conjunction with compressors or for similar power applications, they represent the most complete line of contactors available from any manufacturer.



MINIATURE SENSITIVE RELAYS

Miniature sensitive relays are available in nearly every configuration you may require. Pictured here is the totally enclosed, printed circuit design which is perfect for panel board application.



HEAVY DUTY D.C. POWER CONTACTORS

Applicable where ruggedness and high current capacity is required for D.C. mobile equipment such as: in-plant lifts, industrial equipment, recreational vehicles, golf carts, camp trailers and motor homes.



Write For Relay Catalog

OTHER MEMBERS OF THE FAMILY

AC General Purpose Relays
DC General Purpose Relays
AC Power Contactors
AC Industrial Contactors
AC Power Relays
AC Reversing Contactors
Air Conditioning and Refrigeration Relays

AC Time Delay Relays
AC & DC General Purpose Relays
AC Power Relays
DC Power Relays
DC Power Contactors
Miniature DC Sensitive Relays
Miniature DC Sensitive Latching Relays

Most STANCOR Controls (RBM) are immediately available from STANCOR Authorized Distributors.

Versions designed to meet your particular specifications are available. Consult the factory.



STANCOR TRANSFORMERS

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New Products from Stancor



LOW PROFILE



TELEPHONE COUPLING



PRINTED CIRCUIT

SW
(6 PIN)

DSW
(8 PIN)

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Hamilton warrants that products manufactured by Hamilton will be free from defects in material and manufacture. Hamilton's liability and Buyer's remedy under this warranty are limited to the repair or replacement at Hamilton's election, of products or parts thereof returned to Hamilton which are shown to Hamilton's reasonable satisfaction to have been defective; provided that written notice of the defect shall have been given by Buyer to Hamilton within ninety (90) days after the first operation or use of the product, but in no event later than one (1) year after delivery of such products by Hamilton. If a product listed herein is not manufactured by Hamilton, Hamilton will, in lieu of the above warranty, pass to Buyer any warranties that may have been extended to Hamilton by the manufacturer.

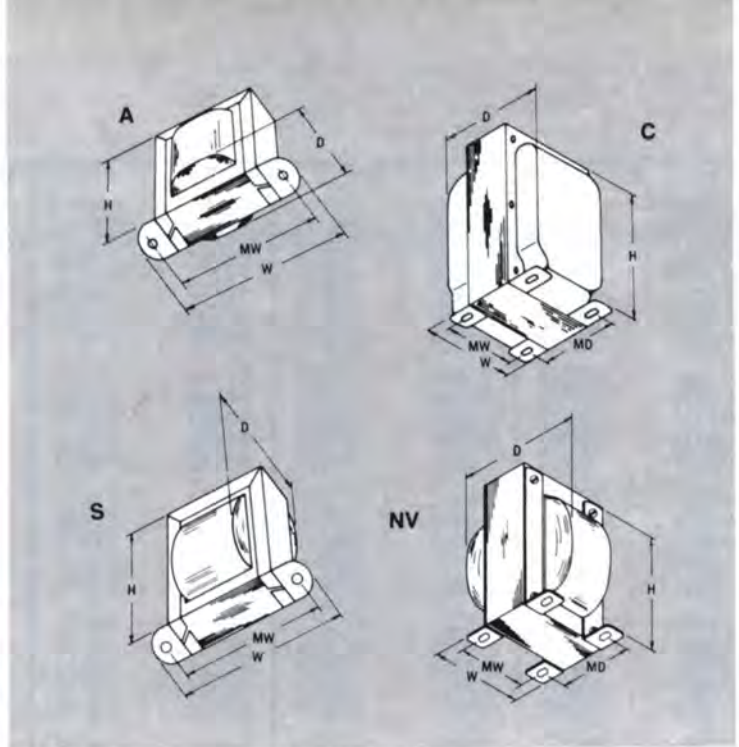
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STANCOR

TRANSFORMERS

RECTIFIER, CONTROL AND FILAMENT TRANSFORMERS

WITH SINGLE SECONDARY:
ALL PRIMARIES 50/60 Hz. §



S E C T	STANCOR Part No.	Style	Secondary▲		Primary Volts	Insulation Test AMS Volts*	Termination		Dimensions-Inches					Wt. Lbs.
			Volts	Amps.			Pri.	Sec.	Case			Mounting		
									H	W	D	MW	MD	
A	P-8628	A	2.5C.T.	0.3	117	1500	Leads	Leads	1 1/4	2 1/8	1 3/16	1 3/4	—	.3
	P-8629	A	2.5	1.0	117	1500	Leads	Leads	1 3/8	2 3/8	1 3/8	2	—	.4
	P-4026	A	2.5	1.5	117	2500	Leads	Leads	1 5/8	2 7/8	1 5/8	2 3/8	—	.7
	P-6133 †	S	2.5C.T.	5.0	117	7500	Leads	Leads	2 3/4	3 1/8	2 1/4	2 13/16	—	1.5
	P-3024 †	C	2.5C.T.	10.0	117/107	2500	Leads	Leads	3 1/8	2 1/2	2 3/4	2	1 3/4	2.5
	P-6454	S	2.5C.T.	10.0	117/107	7500	Leads	Leads	3 1/8	3 3/8	2 1/2	3 1/8	—	2.5
B	P-6467	A	5.0C.T.	3.0	117	2500	Leads	Leads	2	3 1/4	2 1/8	2 13/16	—	1.4
	P-6455	S	5.0C.T.	6.0	117/107	2000	Leads	Leads	2 3/4	3 1/8	2 1/8	2 13/16	—	2.0
	P-6135	NV	5.0C.T.	10.0	117	2500	Leads	Leads	3 1/8	2 1/2	2 3/4	2	2 3/8	3.0
	P-6433 †	NV	5.0C.T.	15.0	117	2500	Leads	Leads	3 1/8	2 1/2	2 3/4	2	2 1/4	3.0
	P-6492	C	5.0C.T.	30.0	117	2500	Leads	Leads	4 11/16	3 3/4	4	3	2 13/16	7.5
	P-6468 †	C	5.0C.T.	30.0	117/107	2500	Lugs	Lugs	4 1/4	3 7/16	3 7/8	2 3/4	2 11/16	6.3
C	P-8385	A	6.3C.T.	0.3	117	1500	Leads	Leads	1 1/4	2 1/8	1 3/8	1 3/4	—	.3
	P-6465	A	6.3C.T.	0.6	117	1500	Leads	Leads	1 3/8	2 3/8	1 1/2	2	—	.4
	P-8705	A	6.3C.T.	0.6	230	1500	Leads	Leads	1 3/8	2 3/8	1 1/2	2	—	.4
	P-8389	A	6.3	1.0	117	1500	Leads	Leads	1 3/8	2 7/8	1 3/8	2 3/8	—	.6
	P-6134	A	6.3C.T.	1.2	117	3000	Leads	Leads	1 3/8	2 7/8	1 7/8	2 3/8	—	.8
	P-8190	A	6.3	1.2	117	5000	Leads	Leads	2	3 1/4	1 7/8	2 13/16	—	1.0
P-5014 †	NV	6.3C.T.	3.0	117	2500	Lugs	Lugs	3 1/8	2 1/2	2 1/2	2	1 3/4	2.0	
D	P-6466	A	6.3C.T.	3.0	117	2500	Leads	Leads	2	3 1/4	2 1/8	2 13/16	—	1.4
	P-6462	S	6.3	3.0	117/107	7000	Leads	Leads	3 1/8	3 3/8	2 3/8	3 1/8	—	2.0
	P-4019 †	C	6.3C.T.	4.0	117/107	2500	Leads	Leads	3 1/8	2 1/2	2 3/4	2	1 3/4	2.7
	P-8648	A	6.3C.T.	4.0	117	1500	Leads	Leads	2 3/8	3 3/4	2 1/8	3 1/8	—	1.6
	P-8649	A	6.3C.T.	5.0	117	1500	Leads	Leads	2 3/8	3 3/4	2 1/8	3 1/8	—	1.8
	P-3064 †	NV	6.3C.T.	6.0	117	2500	Lugs	Lugs	3 1/8	2 1/2	2 3/8	2	2	2.4
	P-6456	A	6.3C.T.	6.0	117/107	2000	Leads	Leads	2 3/8	3 3/4	2 3/8	3 1/8	—	2.0
	P-8651	A	6.3C.T.	8.0	117	1500	Leads	Leads	2 3/8	4	2 1/4	3 9/16	—	2.4
	P-6464	C	6.3C.T.	10.0	117	2000	Leads	Leads	3 1/2	2 13/16	3 1/4	2 1/4	2	3.5
	P-6308 †	NV	6.3C.T.	10.0	117/107	2500	Leads	Leads	3 7/16	2 13/16	2 5/8	2 1/4	2 1/8	3.4
	P-8189	C	6.3C.T.	20.0	117	2500	Leads	Leads	3 7/8	3 1/8	4 1/4	2 1/2	3	6.9
P-6309	NV	6.3C.T.	20.0	117/107	2500	Leads	Leads	4 9/16	3 3/4	3 3/8	3	2 3/8	6.7	
E	P-5015 †	NV	7.5C.T.	4.0	117	2500	Lugs	Lugs	3 1/8	2 1/2	2 1/4	2	2 1/8	2.7
	P-6138 †	NV	7.5C.T.	8.0	117	2500	Leads	Leads	3 13/16	3 1/8	2 3/4	2 1/2	2 3/8	4.7
	P-6457	C	7.5C.T.	21.0	117/107	2000	Leads	Leads	4 5/8	3 3/4	4	3	2 3/4	8.0
F	P-8652	A	10.0C.T.	1.0	117	1500	Leads	Leads	2	3 1/4	1 3/8	2 13/16	—	.9
	P-8653	A	10.0C.T.	2.0	117	1500	Leads	Leads	2	3 1/4	2	2 13/16	—	1.3
	P-8380	A	10.0C.T.	3.0	117	1500	Leads	Leads	2 3/8	3 3/4	2 1/4	3 1/8	—	1.6
	P-8654	A	10.0C.T.	4.0	117	1500	Leads	Leads	2 3/8	4	2 1/8	3 9/16	—	2.3
	P-5016 †	NV	10.0C.T.	4.0	117	2500	Lugs	Lugs	3 7/16	2 13/16	2 1/2	2 1/4	2	3.3
	P-6458	NV	10.0C.T.	5.0	117/107	2000	Leads	Leads	3 1/16	2 1/2	2 1/2	2 1/8	1 13/16	3.0
P-4096 †	C	10.0C.T.	5.0	117/107	2500	Leads	Leads	3 7/8	3 1/8	3 1/4	2 1/2	1 11/16	4.0	

§May be operated from a 400 Hz. source with no change in output ratings.

†Has electrostatic shield.

*Insulation Test Voltage: Twice allowable RMS working voltage plus 1000 volts. ▲R.M.S. values.

RECTIFIER, CONTROL AND FILAMENT TRANSFORMERS (Continued)

WITH MULTIPLE SECONDARIES: ALL PRIMARIES 50/60 Hz. §

S E C T	STANCOR Part No.	Style	Secondary▲		Primary Volts	Insulation Test AMS Volts*	Termination		Dimensions-Inches					Wt. Lbs.	
			Volts	Amps.			Pri.	Sec.	Case			Mounting			
									H	W	D	MW	MD		
A	P-6469	A	25.2	1.0	117	1500	Leads	Leads	2	3¼	2½	2¼	—	1.4	
	P-8707	A	25.2	1.0	230	1500	Leads	Leads	2	3¼	2½	2¼	—	1.4	
	P-8180	A	25.2C.T.	1.0	117	1500	Leads	Leads	2	3¼	2¼	2¼	—	1.4	
	P-8357	A	25.2C.T.	2.0	117	1500	Leads	Leads	2½	4	2¼	3¾	—	2.2	
	P-8574	A	25.2C.T.	2.0	115/230	1500	Leads	Leads	2½	4	2¼	3¾	—	2.2	
	P-8388	A	25.2C.T.	2.8	117	1500	Leads	Leads	2½	4	2¼	3¾	—	2.2	
	P-8645	C	25.2C.T.	5.0	117	1500	Leads	Leads	4¼	3¾	3¾	2¾	2¼	2¼	6.0
	P-8646	C	25.2C.T.	7.5	117	1500	Leads	Leads	4¼	3¾	4¼	2¾	2¾	3¼	7.3
	P-8647	C	25.2C.T.	10.0	117	1500	Leads	Leads	4¼	3¾	5	3	3¾	3¾	12.3
B	P-8606	A	26.0C.T. Nominal ‡Primary tapped to provide secondary voltages of 24.5C.T. or 27.5C.T. or 29C.T.	.040	117‡	2500	Leads	Leads	1¼	2½	1¾	1¾	—	.25	
	P-8607	A	26.0C.T. Nominal ‡Primary tapped to provide secondary voltages of 24.5C.T. or 27.5C.T. or 29C.T.	.25	117‡	2500	Leads	Leads	1¾	2¾	1¾	2¾	—	.70	
	P-8608	A	26.5C.T.	.6	117	2500	Leads	Leads	2	3¼	2½	2¼	—	1.3	
	P-8609	A	26.8C.T.	1.0	117	1500	Leads	Leads	2	3¼	2½	2¼	—	1.3	
C	P-8600	A	28.0C.T.	.085	117	1500	Leads	Leads	1¼	2½	1¼	1¾	—	.25	
	P-8601	A	28.0C.T.	.175	117	1500	Leads	Leads	1¾	2¾	1¾	2	—	.35	
	P-8602	A	28.0C.T.	.300	117	1500	Leads	Leads	1¾	2¾	1¾	2¾	—	.60	
	P-8603	A	28.0C.T.	.800	117	1500	Leads	Leads	2	3¼	2½	2¼	—	1.0	
	P-8667	A	28.0C.T.	1.0	117	1500	Leads	Leads	2	3¼	2½	2¼	—	1.4	
	P-8668	NV	28.0C.T.	2.0	117	1500	Leads	Leads	3½	2½	2½	2	2¾	2.9	
	P-8669	NV	28.0C.T.	4.0	117	1500	Leads	Leads	3¾	3¾	3¼	2½	2½	5.3	
	P-8670	NV	28.0C.T.	6.0	117	1500	Leads	Leads	4¾	3¾	3½	2¾	2¾	7.0	
D	P-8561	A	30C.T.	1.0	115	1500	Leads	Leads	2¼	3¼	1½	3½	—	1.5	
	P-8554	A	30C.T.	1.7	115	1500	Leads	Leads	2½	4	2¼	3¾	—	1.5	
	P-8562	NV	30C.T.	2.0	115	1500	Leads	Leads	3	2½	2¾	2	2¾	3.2	
	P-8563	NV	30C.T.	4.0	115	1500	Leads	Leads	3¾	3¾	3½	2½	2¾	5.7	
	P-8576	A	35C.T.	1.5	115/230	1500	Leads	Leads	2½	4	2¼	3¾	—	2.2	
E	P-8610	A	36.0C.T.	.065	117	1500	Leads	Leads	1¼	2½	1¼	1¾	—	.25	
	P-8728	A	36.0C.T.	.065	230	1500	Leads	Leads	1¼	2½	1¼	1¾	—	.25	
	P-8611	A	36.0C.T.	.135	117	1500	Leads	Leads	1¾	2¾	1¾	2	—	.35	
	P-8612	A	36.0C.T.	.300	117	1500	Leads	Leads	1¾	2¾	1¾	2¾	—	.60	
	P-8613	A	36.0C.T.	.550	117	1500	Leads	Leads	2	3¼	1¾	2¼	—	1.0	
	P-8671	A	36.0C.T.	1.0	117	1500	Leads	Leads	2¾	3¾	2¼	3½	—	2.0	
	P-8672	NV	36.0C.T.	2.0	117	1500	Leads	Leads	3¾	2¾	2¾	2¼	2½	3.5	
	P-8673	NV	36.0C.T.	4.0	117	1500	Leads	Leads	4¾	3¾	2¾	2¾	2¾	6.0	
	P-8674	NV	36.0C.T.	6.0	117	1500	Leads	Leads	4¾	3¾	3½	3	2¾	8.3	
F	P-8540	A	40C.T.	.120	115/230	2500	Leads	Leads	1¾	2¾	1¾	2	—	.4	
	P-8541	A	40C.T.	.200	115/230	2500	Leads	Leads	1¾	2¾	1½	2¾	—	.6	
	P-8542	A	40C.T.	.250	115/230	2500	Leads	Leads	1¾	2¾	1½	2¾	—	.8	
	P-8564	A	40C.T.	1.0	115	1500	Leads	Leads	2¾	4	2¼	3¾	—	2.6	
	P-8565	NV	40C.T.	2.0	115	1500	Leads	Leads	3¾	2¾	2¾	2¼	2¾	4.0	
	P-8566	NV	40C.T.	4.0	115	1500	Leads	Leads	3¾	3¾	3½	2½	2¾	6.4	
G	P-8605	A	48.0C.T. Nominal ‡Primary tapped to provide secondary voltages of 45C.T. or 51C.T. or 54 C.T.	1.0	117‡	2500	Leads	Leads	2¾	4	2¾	3¾	—	2.3	
H	P-8567	A	50C.T.	1.0	115	1500	Leads	Leads	2¾	4	2¼	3¾	—	2.4	
	P-8568	NV	50C.T.	2.0	115	1500	Leads	Leads	3¾	3¾	2¾	2½	2¾	4.7	
	P-8569	NV	50C.T.	4.0	115	1500	Leads	Leads	4¾	3¾	3½	2¾	2¾	7.4	
I	P-8552	A	60C.T.	.4	115	1500	Leads	Leads	1½	3¾	2	2¼	—	1.3	
	P-8570	NV	60C.T.	1.0	115	1500	Leads	Leads	3	2½	2¾	2	2¾	3.4	
	P-8571	NV	60C.T.	2.0	115	1500	Leads	Leads	3¾	3¾	3½	2½	2¾	5.6	
J	P-8572	NV	70C.T.	1.0	115	1500	Leads	Leads	3¾	2¾	2¾	2¼	2¼	4.0	
	P-8573	NV	70C.T.	2.0	115	1500	Leads	Leads	3¾	3¾	3½	2½	2¾	6.0	

*Insulation Test voltage Twice allowable RMS working voltage plus 1000 volts. ▲R.M.S. values

§May be operated from a 400 Hz source with no change in output ranges. / New item

RECTIFIER, CONTROL AND FILAMENT TRANSFORMERS (Continued)

STANCOR

WITH MULTIPLE SECONDARIES: ALL PRIMARIES 50/60 Hz. §

S E C T	STANCOR Part No.	Style	Secondary▲		Insulation Test RMS Volts*	Primary Volts	Termination		Dimensions-Inches					Wt. Lbs.
			Volts	Amps.			Pri.	Sec.	Case			Mounting		
									H	W	D	MW	MD	
A	P-6428†	C	6.3 6.3 6.3 6.3C.T.	1.75 1.75 1.75 1.75	2500	117	Leads	Leads	3½	2½	3½	2	2	3.0
	P-6430†	C	6.3C.T. 6.3C.T. 6.3C.T.	3.0 3.0 3.0	2500	117	Leads	Leads	3½	2½	2¾	2	1¾	2.8
	P-6429†	C	6.3 6.3 6.3 6.3C.T.	3.5 3.5 3.5 3.5	2500	117	Leads	Leads	3¾	3½	3½	2½	2¾	4.8
	P-6434	C	12.6 12.6C.T.	2.5 2.5	1500	117	Leads	Leads	3½	2¼/16	3¼	2¼	2	3.5

WITH DUAL C.T. SECONDARIES: ‡ALL PRIMARIES 50/60 Hz. § EXCEPT ◆ FOR 60 Hz. §

B	P-8680	S	12.0C.T. 12.0C.T.	.1 .1	1500 1500	115	Lugs	Lugs	2	2¾	1¾	2	—	.65
	P-8681	S	12.0C.T. 12.0C.T.	.25 .25	1500 1500	115	Lugs	Lugs	2¾	2¾	1¾	2¾	—	.95
	P-8682	S	12.0C.T. 12.0C.T.	.5 .5	1500 1500	115	Lugs	Lugs	2¾	2¾	1¾	2¾	—	1.1
	P-8683	S	12.0C.T. 12.0C.T.	1.0 1.0	1500 1500	115	Lugs	Lugs	2¾	3½	2½	2¼/16	—	1.7
	P-8677	NH	12.0C.T. 12.0C.T.	2.0 2.0	1500 1500	115	Lugs	Lugs	2½	3	3	2½	2¾	2.9
	P-8678	NH	12.0C.T. 12.0C.T.	4.0 4.0	1500 1500	115	Lugs	Lugs	3½	3¾	2¼/16	3½	2¼	4.5
	P-8679	NH	12.0C.T. 12.0C.T.	6.0 6.0	1500 1500	115	Lugs	Lugs	3½	4½	3¼/16	3¼/16	2¾	5.8
	C	P-8684◆	NH	18.0C.T. 18.0C.T.	1.0 1.0	1500 1500	115	Lugs	Lugs	2½	3	2½	2½	2
P-8685◆		NH	18.0C.T. 18.0C.T.	2.0 2.0	1500 1500	115	Lugs	Lugs	3¼	3¼/16	3½	3½	2¼	4.5
P-8686◆		NH	18.0C.T. 18.0C.T.	4.0 4.0	1500 1500	115	Lugs	Lugs	3¾/16	4½	3½	3¼/16	2¼	5.8
P-8687◆		NH	18.0C.T. 18.0C.T.	8.0 8.0	1500 1500	115	Lugs	Lugs	3¾	4½	4½	3¾	2¾	8.9
P-8688		NH	18.0C.T. 18.0C.T.	12.0 12.0	1500 1500	115c	Lugs	Lugs	4¾/16	5¼	4¼	4¾	2¾	12.8
D	P-8675	NH	34.0C.T. 34.0C.T.	4.0 4.0	1500 1500	115	Lugs	Lugs	3¾	4½	4¼	3¾	3¾	11.3

NEW!!

ESPECIALLY DESIGNED FOR MICROPROCESSOR, POWER AND LOGIC CIRCUIT APPLICATIONS. WITH DUAL UNEQUAL SECONDARIES: ALL PRIMARIES 50/60 Hz. §

E	√ P-8696	A	32.0 C.T. 15.0 C.T.	.25 .75	1500	230	Leads	Leads	2¼	3¾	1¾	3½	—	1.3
	√ P-8697	NV	32.0 C.T. 15.0 C.T.	1.0 2.0	1500	230	Leads	Leads	3¾	2¼/16	2¾	2¼	2¼	4.0
	√ P-8698	NV	32.0 C.T. 15.0 C.T.	1.0 4.0	1500	230	Leads	Leads	3¾	3½	2¼/16	2½	2¼	4.7
F	√ P-8699	A	32.0 C.T. 15.5 C.T.	.05 .20	1500	115	Leads	Leads	1¾	2¾	1¾	2¾	—	.5
	√ P-8750	A	32.0 C.T. 15.5 C.T.	.25 .75	1500	115	Leads	Leads	2¼	3¾	1¾	3½	—	1.3
	√ P-8751	NV	32.0 C.T. 15.0 C.T.	1.0 2.0	1500	115	Leads	Leads	3¾	2¼/16	2¾	2¼	2¼	4.0
	√ P-8752	NV	32.0 C.T. 15.0 C.T.	1.0 4.0	1500	115	Leads	Leads	3¾	3½	2¼/16	2½	2¼	4.7
	√ P-8753	NV	32.0 C.T. 15.0 C.T.	1.0 6.0	1500	115	Leads	Leads	3¾	3½	3¾/16	2½	2¾	6.2
	√ P-8754	NV	32.0 C.T. 15.0 C.T.	1.0 10.0	1500	115	Leads	Leads	4½	3¾/16	3½	2¾	2¾	7.4

† Has Electrostatic shield. ‡ Windings may be connected in series or parallel if properly phased. ALL SECONDARY VOLTAGES ± 3%.
* Insulation Test Voltage: Twice allowable RMS Working Voltage plus 1000 Volts. § May be operated from a 400 Hz. source with no change in output ratings.
c Tapped at 100/105/110/115 Volts ▲ R.M.S. values. ◆ For 60 Hz. √ New Item.

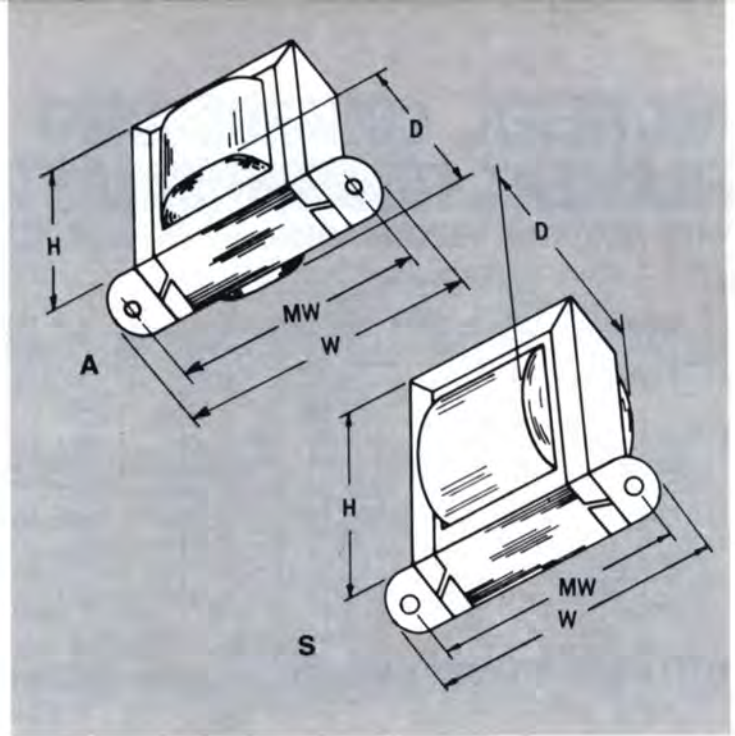
STANCOR PRODUCTS • 131 GODFREY ST. • LOGANSPOUT, IN 46947 • PHONE 219/722-2244 • TWX 810-295-0699

STANCOR

TRANSFORMERS

RECTIFIER, CONTROL AND FILAMENT TRANSFORMERS (Cont'd)

WITH MULTIPLE SECONDARIES
‡ ALL PRIMARIES 50/60 Hz.§



NEW!!

ESPECIALLY DESIGNED FOR MICROPROCESSOR AND LOGIC
CONTROL CIRCUIT APPLICATIONS
WITH THREE SECONDARIES: ONE CENTER-TAPPED FOR FLEXIBILITY
IN RECTIFICATION.

S E C T	STANCOR Part No.	Style	Secondary▲		Insulation Test RMS Volts*	Primary Volts	Termination		Dimensions-Inches					Wt. Lbs.
			Volts	Amps.			Pri.	Sec.	Case			Mounting		
									H	W	D	MW	MD	
A	√ P-8755	S	15.0	.10	1500	115	Leads	Leads	1¾	2	1½	1¾	—	.4
			12.0	.10					2¾	2	1½	2¾	—	
			12.0 C.T.	.10										
	√ P-8756	S	15.0	.25	1500	115/230	Leads	Leads	2¾	2¾	1½	2¾	—	.8
			12.0	.25					2¾	2¼	2	2¾	—	
			12.0 C.T.	.25										
	√ P-8757	S	15.0	.50	1500	115/230	Leads	Leads	2¾	2¼	2	2¾	—	1.25
			12.0	.50					2¾	4	2¼	3¼	—	
			12.0 C.T.	.50										
	√ P-8758	A	15.0	1.50	1500	115	Leads	Leads	2¼	4	2¼	3¼	—	2.3
			12.0	1.50					2¼	4	2¼	3¼	—	
			12.0 C.T.	1.50										

√ New item.

MULTITAPPED FOR TUBE CHECKERS:‡ PRIMARIES 50/60 Hz.§

S E C T	STANCOR Part No.	Style	Secondary Rating (RMS)		Insulation Test RMS Volts*	Primary Volts	Termination	Sec.	H	W	D	MW	MD	Wt. Lbs.
			Volts	Amps.										
B	P-1834-3	A	117/107/85	@ .20A	1500	105/115/125	Leads	Leads/Lugs	2¾	4	2¾	3¼	—	2.4
			70	@ .30A	1500									
			50	@ .50A	1500									
			35	@ .60A	1500									
			30/25/20/12	@ .80A	1500									
			7.5/7/6.3/5	@ 3.0A	1500									
			4/3.3/2.5/2											
1.5/1.4/1.1														

‡ Windings may be connected in series or parallel if properly phased. ALL SECONDARY VOLTAGES ± 3%.

* Insulation Test Voltage: Twice allowable RMS Working Voltage plus 1000 Volts. § May be operated from a 400 Hz. source with no change in output ratings.

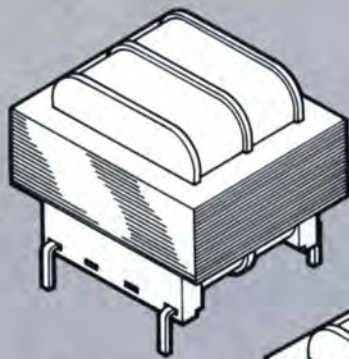
▲ RMS values.

STANCOR

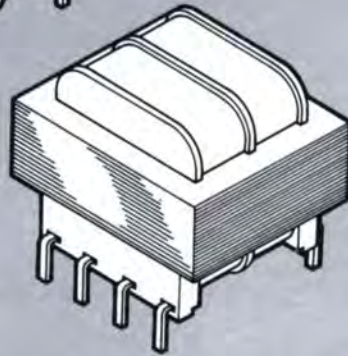
TRANSFORMERS

“SIDE WINDER”

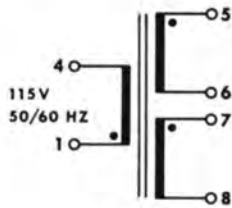
Split Bobbin— PC Mount Transformers



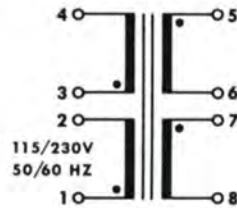
TYPE SW



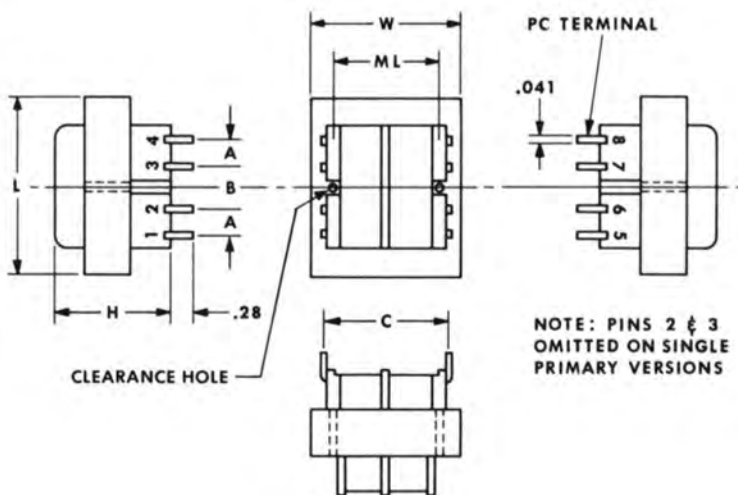
TYPE DSW



6 PIN
TYPE SW



8 PIN
TYPE DSW



Stancor offers this compact transformer with primary and secondaries wound side by side. The “Side Winder” is non-concentrically wound, to reduce size and cost.

Split bobbin winding and low capacitive coupling design eliminates electrostatic shielding requirement and expense.

- High isolation...2,500 V RMS. Hi-Pot Testing
- PC Pins...Precision spaced insert directly into PC Boards
- Class B Insulation...130°C

“Side Winders” are available with Single 115V or Dual 115/230V Primaries, plus, secondaries are split to permit series or parallel connection.

SIDE WINDER APPLICATIONS:

- Electronic Game Systems.
- Computer Peripherals.
- Switching Power Supplies.
- Medical Electronics.
- Instrumentation Equipment.
- Communications Equipment.
- Computer “On Board” Power.
- Machine Control Logic Systems.
- ROBOTICS.
- Consumer Electronics.

Consult Factory For Special Design Requirements.

Size	Dimensions-Inches								Wt. Lbs.
	VA	H	W	L	ML	A	B	C	
2	1.1	1 ⁵ / ₁₆	1 ¹ / ₈	1 ³ / ₈	—	.250	.250	1.200	.17
3	2.5	1 ³ / ₁₆	1 ¹ / ₈	1 ³ / ₈	—	.250	.250	1.200	.25
4	6.0	1 ⁵ / ₁₆	1 ⁵ / ₁₆	1 ⁵ / ₈	1 ¹ / ₁₆	.250	.350	1.200	.44
5	12.0	1 ⁷ / ₁₆	1 ⁹ / ₁₆	1 ⁷ / ₈	1 ¹ / ₄	.300	.400	1.410	.70
6	20.0	1 ⁷ / ₁₆	1 ⁷ / ₈	2 ¹ / ₄	1 ¹ / ₂	.300	.400	1.600	.80

See size as first digit in Part Number.

"SIDE WINDER" (Cont'd.)

SINGLE & DUAL PRIMARY—SPLIT BOBBIN—PC MOUNT TRANSFORMERS

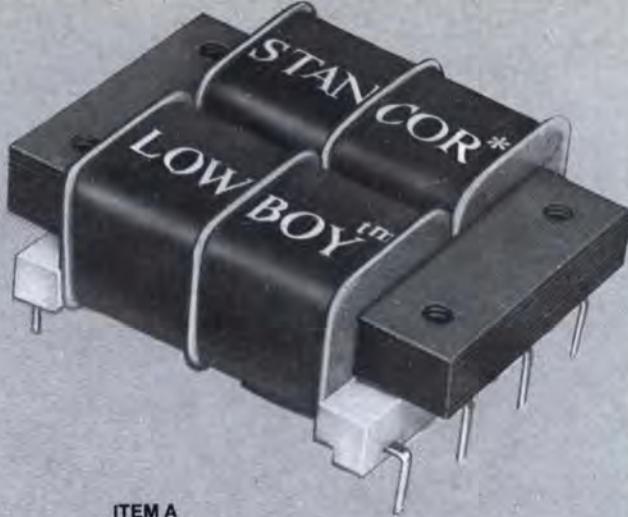
S E C T	STANCOR Part No.		Secondary RMS * Rating		
	Single 115V 6 Pin	Dual 115/230 V 8 Pin	Individual	Series	Parallel
A	✓SW-210	✓DSW-210	5V @ 0.11A	10V C.T. @ 0.11A	5V @ 0.22A
	✓SW-310	✓DSW-310	5V @ 0.25A	10V C.T. @ 0.25A	5V @ 0.5A
	✓SW-410	✓DSW-410	5V @ 0.6A	10V C.T. @ 0.6A	5V @ 1.2A
	✓SW-510	✓DSW-510	5V @ 1.2A	10V C.T. @ 1.2A	5V @ 2.4A
	✓SW-610	✓DSW-610	5V @ 2A	10V C.T. @ 2A	5V @ 4A
B	✓SW-212	✓DSW-212	6.3V @ 0.09A	12.6V C.T. @ 0.09A	6.3V @ 0.18A
	✓SW-312	✓DSW-312	6.3V @ 0.2A	12.6V C.T. @ 0.2A	6.3V @ 0.4A
	✓SW-412	✓DSW-412	6.3V @ 0.5A	12.6V C.T. @ 0.5A	6.3V @ 1.0A
	✓SW-512	✓DSW-512	6.3V @ 1.0A	12.6V C.T. @ 1.0A	6.3V @ 2.0A
	✓SW-612	✓DSW-612	6.3V @ 1.6A	12.6V C.T. @ 1.6A	6.3V @ 3.2A
C	✓SW-216	✓DSW-216	8V @ 0.07A	16V C.T. @ 0.07A	8V @ 0.14A
	✓SW-316	✓DSW-316	8V @ .15A	16V C.T. @ .15A	8V @ 0.3A
	✓SW-416	✓DSW-416	8V @ .4A	16V C.T. @ .4A	8V @ 0.8A
	✓SW-516	✓DSW-516	8V @ .8A	16V C.T. @ .8A	8V @ 1.6A
	✓SW-616	✓DSW-616	8V @ 1.25A	16V C.T. @ 1.25A	8V @ 2.5A
D	✓SW-220	✓DSW-220	10V @ 0.055A	20V C.T. @ 0.055A	10V @ 0.11A
	✓SW-320	✓DSW-320	10V @ 0.12A	20V C.T. @ 0.12A	10V @ 0.24A
	✓SW-420	✓DSW-420	10V @ 0.3A	20V C.T. @ 0.3A	10V @ 0.6A
	✓SW-520	✓DSW-520	10V @ 0.6A	20V C.T. @ 0.6A	10V @ 1.2A
	✓SW-620	✓DSW-620	10V @ 1A	20V C.T. @ 1A	10V @ 2A
E	✓SW-224	✓DSW-224	12V @ 0.045A	24V C.T. @ 0.045A	12V @ 0.09A
	✓SW-324	✓DSW-324	12V @ 0.1A	24V C.T. @ 0.1A	12V @ 0.2A
	✓SW-424	✓DSW-424	12V @ 0.25A	24V C.T. @ 0.25A	12V @ 0.5A
	✓SW-524	✓DSW-524	12V @ 0.5A	24V C.T. @ 0.5A	12V @ 1.0A
	✓SW-624	✓DSW-624	12V @ 0.3A	24V C.T. @ 0.3A	12V @ 1.6A
F	✓SW-228	✓DSW-228	14V @ 0.04A	28V C.T. @ 0.04A	14V @ 0.08A
	✓SW-328	✓DSW-328	14V @ 0.085A	28V C.T. @ 0.085A	14V @ 0.17A
	✓SW-428	✓DSW-428	14V @ 0.2A	28V C.T. @ 0.2A	14V @ 0.4A
	✓SW-528	✓DSW-528	14V @ 0.42A	28V C.T. @ 0.42A	14V @ 0.84A
	✓SW-628	✓DSW-628	14V @ 0.7A	28V C.T. @ 0.7A	14V @ 1.4A
G	✓SW-232	✓DSW-232	16V @ 0.035A	32V C.T. @ 0.035A	16V C.T. @ 0.07A
	✓SW-332	✓DSW-332	16V @ 0.075A	32V C.T. @ 0.075A	16V C.T. @ 0.15A
	✓SW-432	✓DSW-432	16V @ 0.188A	32V C.T. @ 0.188A	16V C.T. @ 0.376A
	✓SW-532	✓DSW-532	16V @ 0.375A	32V C.T. @ 0.375A	16V C.T. @ 0.750A
	✓SW-632	✓DSW-632	16V @ 0.625A	32V C.T. @ 0.625A	16V C.T. @ 1.25A
H	✓SW-236	✓DSW-236	18V @ 0.03A	36V C.T. @ 0.03A	18V @ 0.06A
	✓SW-336	✓DSW-336	18V @ 0.065A	36V C.T. @ 0.065A	18V @ 0.13A
	✓SW-436	✓DSW-436	18V @ 0.17A	36V C.T. @ 0.17A	18V @ 0.34A
	✓SW-536	✓DSW-536	18V @ 0.35A	36V C.T. @ 0.35A	18V @ 0.7A
	✓SW-636	✓DSW-636	18V @ 0.55A	36V C.T. @ 0.55A	18V @ 1.1A
I	✓SW-248	✓DSW-248	24V @ 0.023A	48V C.T. @ 0.023A	24V @ 0.046A
	✓SW-348	✓DSW-348	24V @ 0.05A	48V C.T. @ 0.05A	24V @ 0.1A
	✓SW-448	✓DSW-448	24V @ 0.125A	48V C.T. @ 0.125A	24V @ 0.25A
	✓SW-548	✓DSW-548	24V @ 0.25A	48V C.T. @ 0.25A	24V @ 0.5A
	✓SW-648	✓DSW-648	24V @ 0.4A	48V C.T. @ 0.4A	24V @ 0.8A
J	✓SW-256	✓DSW-256	28V @ 0.02A	56V C.T. @ 0.02A	28V @ 0.04A
	✓SW-356	✓DSW-356	28V @ 0.045A	56V C.T. @ 0.045A	28V @ 0.09A
	✓SW-456	✓DSW-456	28V @ 0.11A	56V C.T. @ 0.11A	28V @ 0.22A
	✓SW-556	✓DSW-556	28V @ 0.22A	56V C.T. @ 0.22A	28V @ 0.44A
	✓SW-656	✓DSW-656	28V @ 0.35A	56V C.T. @ 0.35A	28V @ 0.7A
K	✓SW-2120	✓DSW-2120	60V @ 0.01A	120V C.T. @ 0.01A	60V @ 0.02A
	✓SW-3120	✓DSW-3120	60V @ 0.02A	120V C.T. @ 0.02A	60V @ 0.04A
	✓SW-4120	✓DSW-4120	60V @ 0.1A	120V C.T. @ 0.1A	60V @ 0.1A
	✓SW-5120	✓DSW-5120	60V @ 0.05A	120V C.T. @ 0.05A	60V @ 0.2A
	✓SW-6120	✓DSW-6120	60V @ 0.16A	120V C.T. @ 0.16A	60V @ 0.32A

*RMS (Root Mean Square) = 70.7% of Peak Voltage

✓New Item

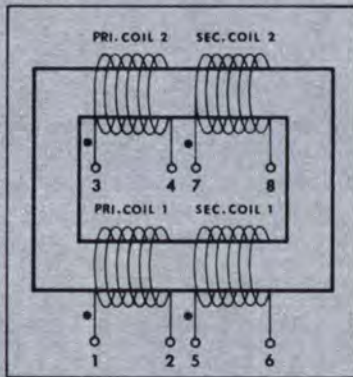
STANCOR

TRANSFORMERS



STANCOR® LOW BOY™ LOW PROFILE

ITEM A



ITEM B

EXPLANATION OF LOW BOY INTERCONNECTIONS
Because of the toroidal effect, two *identical* coils are connected in series or parallel, but one of the coils must be connected in reverse in order to get correct polarity and voltage.

LOW BOY APPLICATIONS:

- Electronic Game Systems.
- Computer Peripherals.
- Switching Power Supplies.
- Medical Electronics.
- Instrumentation Equipment.
- Telephone Modems.
- Communications Equipment.
- Computer "On Board" Power.
- Machine Control Logic Systems.
- ROBOTICS.
- Consumer Electronics.

Consult Factory For Special Design Requirements.

APPLICATION DATA

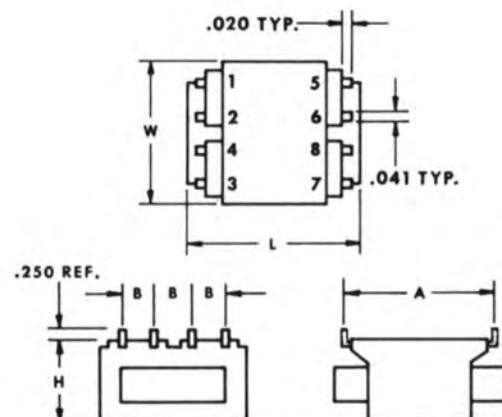
Stancor's new Low-Boy™ Power Transformer is designed to surpass competitive market offerings in cost, size and versatility to the designer. Applicable to low clearance, stacked printed circuit board and solid state power designs, the Low-Boy™ will allow closer board stack spacing at lower power levels. — (down to 200 MA at 10 volts — perfect for many CMOS applications.)

These new units also can be used for control and instrumentation applications.

Output Watts	Dimensions-Inches				
	H	W	L	A	B
2, 3	.625	1.562	1.875	1.600	.375
4, 5, 6	.875	1.562	1.875	1.600	.375
12	1.062	2.000	2.500	2.000	.500

ENGINEERING DATA

Stancor's semi-toroidal construction reduces radiated magnetic fields and results in balanced windings. Stancor's unique construction allows standard hi-pot at 2000 V RMS. Non-concentric winding provides isolation by design, eliminating the need for an electrostatic shield. These units have standard precision spaced printed circuit terminals.



STANCOR

TRANSFORMERS

STANCOR® LOW BOY™ LOW PROFILE

continued from Page 11.

SPECIFICATIONS

LOW-BOY™—allow 3/4" card spacing for 2 & 3, VA units; 1" for 4, 5 & 6 VA. and 1 1/4" for 12 VA units.

DUAL PRIMARIES—versatility!!

115/230V, 50/60/400 Hz.

SPLIT BOBBIN—side by side windings—
(No static shield)

SEMI-TOROIDAL CONSTRUCTION—
Reduces Radiated Magnetic Fields and
Results in Balanced Windings.

HI-POT—2000 volts standard

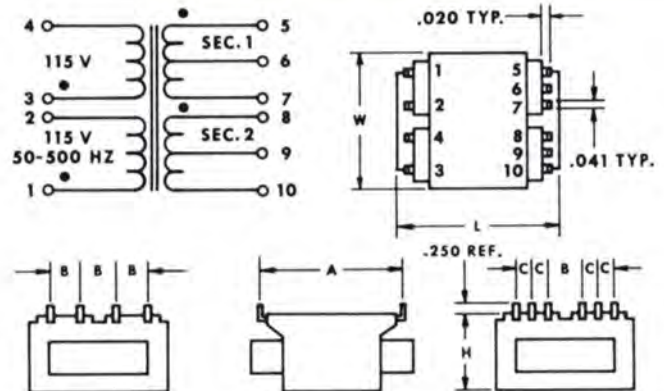
P.C. TERMINALS—Precision Spaced

S E C T	STANCOR Part No.	V.A. or Watts	Secondary		Wt. Oz.
			Series	Parallel	
A	LB210	2	10V C.T. @ 200MA	5V @ 400MA	4.5
	LB310	3	10V C.T. @ 300MA	5V @ 600MA	4.5
	LB215	2	15V @ 150MA	7.5V @ 300MA	4.5
	✓ LB240	2	40V C.T. @ 60MA	20V @ 120MA	4.5
	✓ LB256	2	56V C.T. @ 45MA	28V @ 90MA	4.5
	✓ LB288	2	88V C.T. @ 28MA	44V @ 56MA	4.5
	✓ LB2120	2	120V C.T. @ 20MA	60V @ 40MA	4.5
	✓ LB2230	2	230V C.T. @ 10MA	115V @ 20MA	4.5
	LB315	3	15V C.T. @ 200MA	7.5V @ 450MA	4.5
	LB410	4	10V C.T. @ 400MA	5V @ 800MA	5.5
B	LB510	5	10V C.T. @ 500MA	5V @ 1.A	5.5
	LB412	4	12V C.T. @ 333MA	6V 667MA	5.5
	LB512	5	12V C.T. @ 417MA	6V @ 833MA	5.5
	LB420	4	20V C.T. @ 200MA	10V @ 400MA	5.5
	LB520	5	20V C.T. @ 250MA	10V @ 500MA	5.5
	LB424	4	24V C.T. @ 167MA	12V @ 333MA	5.5
	LB524	5	24V C.T. @ 208MA	12V @ 417MA	5.5
	LB4120	4	120V C.T. @ 33MA	60V @ 66MA	5.5
	LB5120	5	120V C.T. @ 41.7MA	60V @ 83.3MA	5.5
	C	LB610	6	10V C.T. @ 600MA	5V @ 1.2A
LB1210		12	10V C.T. @ 1200MA	5V @ 2.4A	11.5
LB612		6	12.6V C.T. @ 450MA	6.3V @ 900MA	5.5
LB1212		12	12.6V C.T. @ 900MA	6.3V @ 1.8A	11.5
LB616		6	16V C.T. @ 350MA	8V @ 700MA	5.5
LB1216		12	16V C.T. @ 700MA	8V @ 1.4A	11.5
LB620		6	20V C.T. @ 300MA	10V @ 600MA	5.5
LB1220		12	20V C.T. @ 600MA	10V @ 1.2A	11.5
LB624		6	24V C.T. @ 250MA	12V @ 500MA	5.5
LB1224		12	24V C.T. @ 500MA	12V @ 1A	11.5
D	LB634	6	34V C.T. @ 170MA	17V @ 340MA	5.5
	LB1234	12	34V C.T. @ 340MA	17V @ 680MA	11.5
	✓ LB640	6	40V C.T. @ 150MA	20V @ 300MA	5.5
	✓ LB1240	12	40V C.T. @ 300MA	20V @ 600MA	11.5
	✓ LB656	6	56V C.T. @ 100MA	28V @ 200MA	5.5
	✓ LB1256	12	56V C.T. @ 200MA	28V @ 400MA	11.5
	✓ LB688	6	88V C.T. @ 65MA	44V @ 130MA	5.5
	✓ LB1288	12	88V C.T. @ 130MA	44V @ 260MA	11.5
	✓ LB6120	6	120V C.T. @ 50MA	60V @ 100MA	5.5
	✓ LB12120	12	120V C.T. @ 100MA	60V @ 200MA	11.5
✓ LB6230	6	230V C.T. @ 25MA	115V @ 50MA	5.5	
✓ LB12230	12	230V C.T. @ 50MA	115V @ 100MA	11.5	

✓ New item.

NEW!! ESPECIALLY DESIGNED FOR MICROPROCESSOR POWER AND LOGIC CIRCUIT APPLICATIONS.

Developed especially for triple output regulated DC supplies that are used in microprocessor, logic and OP-amp circuit combinations. Outputs are listed in RMS values and will deliver popular ± 12 and ± 15 volts with 5V standby values included.



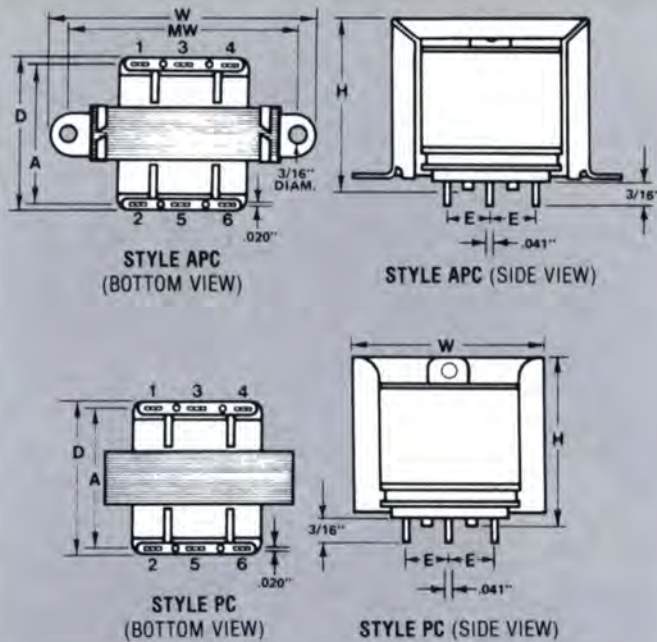
S E C T	STANCOR Part No.	V.A. or Watts	Secondary (RMS)		Wt. Oz.	Dual 115/230V Primary					
			Secondary #1 Series	Secondary #2 Series		H	W	L	A	B	C
E	✓ MLB-612	6	9.8V C.T. @ .141A	19.6V C.T. @ .065A	6.0	.875	1.562	1.875	1.6	.375	.187
	✓ MLB-615	6	9.8V C.T. @ .141A	24.4V C.T. @ .057A	6.0	.875	1.562	1.875	1.6	.375	.187
	✓ MLB-1212	12	10.0V C.T. @ .290A	20.0V C.T. @ .145A	12.0	1.062	2.00	2.50	2.0	.500	.250
	✓ MLB-1215	12	10.0V C.T. @ .290A	25.4V C.T. @ .120A	12.0	1.062	2.00	2.50	2.0	.500	.250

✓ New item.

FOR SMALL D.C. POWER SUPPLIES PLUG-IN PRINTED CIRCUIT TYPE POWER TRANSFORMERS

MANUFACTURING APPLICATIONS:

- Low Voltage/Low Power Uses
- Computer Peripheral Industry
- Electronics Manufacturers
- Ion Air Cleaner Manufacturers
- Instrument Manufacturers
- Computer Graphics



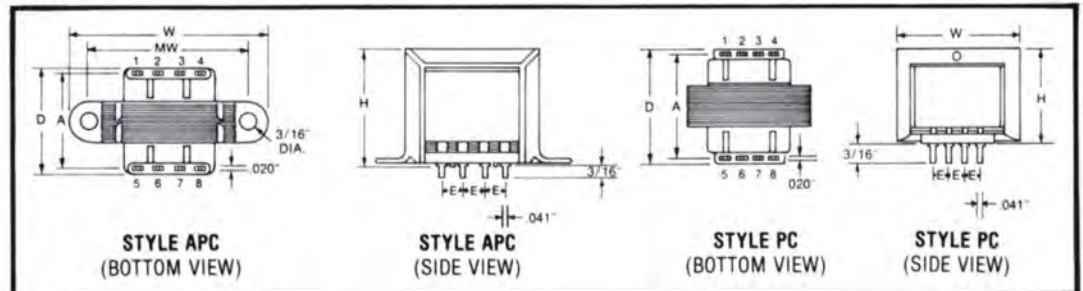
WITH SINGLE PRIMARY FOR 115 VOLTS, 50-60 HERTZ INPUT

U.L. RECOGNIZED UNIT.

S E C T	STANCOR Part No.	Style	VA Cap. *	Output From Two Secondary Windings ▲			Dimensions-Inches						Wt. Lbs.
				Individually	Parallel	Series	Case			Mounting			
							H	W	D	MW	A	E	
A	PPC-1	PC	1.5	4.0V. @ .188A.	4.0V. @ .376A.	8.0V. @ .188A.	1 1/8	1 13/32	1 5/32	—	1	.31	.22
	PPC-2	PC	1.5	7.5V. @ .100A.	7.5V. @ .200A.	15V. @ .100A.	1 1/8	1 13/32	1 5/32	—	1	.31	.22
	PPC-3	PC	1.5	15V. @ .050A.	15V. @ .100A.	30V. @ .050A.	1 1/8	1 13/32	1 5/32	—	1	.31	.22
	PPC-4	PC	1.5	27V. @ .028A.	27V. @ .056A.	54V. @ .028A.	1 1/8	1 13/32	1 5/32	—	1	.31	.22
	PPC-5	PC	1.5	38V. @ .020A.	38V. @ .040A.	76V. @ .020A.	1 1/8	1 13/32	1 5/32	—	1	.31	.22
	PPC-6	PC	1.5	58V. @ .013A.	58V. @ .026A.	116V. @ .013A.	1 1/8	1 13/32	1 5/32	—	1	.31	.22
	PPC-7	PC	1.5	20V. @ .038A.	20V. @ .076A.	40V. @ .038A.	1 1/8	1 13/32	1 5/32	—	1	.31	.22
B	PPC-11	APC	4.5	4.0V. @ .562A.	4.0V. @ 1.13A.	8.0V. @ .562A.	1 13/32	2 3/8	1 1/4	2	1.1	.4	.47
	PPC-12	APC	4.5	7.5V. @ .300A.	7.5V. @ .600A.	15V. @ .300A.	1 13/32	2 3/8	1 1/4	2	1.1	.4	.47
	PPC-13	APC	4.5	15V. @ .150A.	15V. @ .300A.	30V. @ .150A.	1 13/32	2 3/8	1 1/4	2	1.1	.4	.47
	PPC-14	APC	4.5	27V. @ .084A.	27V. @ .168A.	54V. @ .084A.	1 13/32	2 3/8	1 1/4	2	1.1	.4	.47
	PPC-15	APC	4.5	38V. @ .060A.	38V. @ .120A.	76V. @ .060A.	1 13/32	2 3/8	1 1/4	2	1.1	.4	.47
	PPC-16	APC	4.5	58V. @ .033A.	58V. @ .066A.	116V. @ .033A.	1 13/32	2 3/8	1 1/4	2	1.1	.4	.47
	PPC-17	APC	4.5	20V. @ .112A.	20V. @ .224A.	40V. @ .112A.	1 13/32	2 3/8	1 1/4	2	1.1	.4	.47
C	PPC-21	APC	7.5	4.0V. @ .940A.	4.0V. @ 1.88A.	8.0V. @ .940A.	1 5/8	2 13/16	1 15/32	2 3/8	1.3	.4	.66
	PPC-22	APC	7.5	7.5V. @ .500A.	7.5V. @ 1.00A.	15V. @ .500A.	1 5/8	2 13/16	1 15/32	2 3/8	1.3	.4	.66
	PPC-23	APC	7.5	15V. @ .250A.	15V. @ .500A.	30V. @ .250A.	1 5/8	2 13/16	1 15/32	2 3/8	1.3	.4	.66
	PPC-24	APC	7.5	27V. @ .140A.	27V. @ .280A.	54V. @ .140A.	1 5/8	2 13/16	1 15/32	2 3/8	1.3	.4	.66
	PPC-25	APC	7.5	38V. @ .100A.	38V. @ .200A.	76V. @ .100A.	1 5/8	2 13/16	1 15/32	2 3/8	1.3	.4	.66
	PPC-26	APC	7.5	58V. @ .065A.	58V. @ .130A.	116V. @ .065A.	1 5/8	2 13/16	1 15/32	2 3/8	1.3	.4	.66
	PPC-27	APC	7.5	20V. @ .188A.	20V. @ .376A.	40V. @ .188A.	1 5/8	2 13/16	1 15/32	2 3/8	1.3	.4	.66

* All Primaries for 115V., 50-60 Hz. ▲ R.M.S. Values.

WITH DUAL PRIMARY FOR 115-230 VOLTS, 50-60 HERTZ INPUT



U.L. RECOGNIZED UNIT.

S E C T	STANCOR Part No.	Style	VA Cap. *	Output From Two Secondary Windings ▲			Dimensions-Inches						Wt. Lbs.
				Individually	Parallel	Series	Case			Mounting			
							H	W	D	MW	A	E	
D	PPC-8	PC	1.5	15V. @ 50MA.	15V. @ 100MA.	30V.C.T. @ 50MA.	1 3/16	1 3/8	1 1/8	—	1.0	.20	.22
	PPC-46	PC	1.5	7.5V. @ 100MA.	7.5V. @ 200MA.	15V.C.T. @ 100MA.	1 1/8	1 3/8	1 1/8	—	1.0	.20	.22
	PPC-51	PC	1.5	115V. @ 13MA.	115V. @ 26MA.	230V.C.T. @ 13MA.	1 1/8	1 3/8	1 1/8	—	1.0	.20	.22
E	PPC-18	APC	4.5	6.3V. @ 350MA.	6.3V. @ 700MA.	12.6V.C.T. @ 350MA.	1 7/16	2 3/8	1 1/4	2	1.13	.28	.47
	PPC-47	APC	4.5	7.5V. @ 300MA.	7.5V. @ 600MA.	15V.C.T. @ 300MA.	1 3/8	2 3/8	1 1/4	2	1.11	.25	.47
	PPC-19	APC	4.5	8V. @ 280MA.	8V. @ 560MA.	16V.C.T. @ 280MA.	1 7/16	2 3/8	1 1/4	2	1.13	.28	.47
	PPC-28	APC	4.5	10V. @ 225MA.	10V. @ 450MA.	20V.C.T. @ 225MA.	1 7/16	2 3/8	1 1/4	2	1.13	.28	.47
	PPC-20	APC	4.5	12V. @ 180MA.	12V. @ 360MA.	24V.C.T. @ 180MA.	1 7/16	2 3/8	1 1/4	2	1.13	.25	.47
	PPC-48	APC	4.5	15V. @ 150MA.	15V. @ 300MA.	30V.C.T. @ 150MA.	1 3/8	2 3/8	1 1/4	2	1.11	.25	.47
	PPC-29	APC	4.5	115V. @ 20MA.	115V. @ 40MA.	230V.C.T. @ 20MA.	1 7/16	2 3/8	1 1/4	2	1.13	.28	.47

—New Item * All primaries for 115-230 V., 50-60 Hz. ▲ R.M.S. values.

STANCOR PRODUCTS • 131 GODFREY ST. • LOGANSPORT, IN 46947 • PHONE 219/722-2244 • TWX 810-295-0699

STANCOR

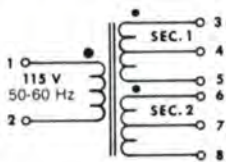
FOR SMALL D.C. POWER SUPPLIES PLUG-IN PRINTED CIRCUIT TYPE POWER TRANSFORMERS (cont'd.)

S E C T	STANCOR Part No.	Style	VA Cap.*	Output From Two Secondary Windings▲			Dimensions-Inches						Wt. Lbs.
				Individually	Parallel	Series	Case			Mounting			
							H	W	D	MW	A	E	
F	✓PPC-49	APC	7.5	7.5V. @ 500MA.	7.5V @ 1.0A	15V.C.T. @ 500MA.	1 3/8	2 13/16	1 7/16	2 3/8	1.31	.25	.75
	✓PPC-50	APC	7.5	15V. @ 250MA.	15V. @ 500MA.	30V.C.T. @ 250MA.	1 3/8	2 13/16	1 7/16	2 3/8	1.31	.25	.75
	✓PPC-31	APC	8.0	20V. @ 200MA	20V. @ 400MA.	40V.C.T. @ 200MA.	1 3/8	2 7/8	1 1/2	2 3/8	1.30	.25	.75
G	✓PPC-42	APC	10.0	6.3V. @ 800MA.	6.3V. @ 1.6A.	12.6V.C.T. @ 800MA.	1 3/8	2 13/16	1 7/16	2 3/8	1.31	.25	.75
	✓PPC-43	APC	10.0	8V. @ 640MA.	8V. @ 1.28A.	16V.C.T. @ 640MA.	1 3/8	2 13/16	1 7/16	2 3/8	1.31	.25	.75
	✓PPC-41	APC	10.0	10V. @ 500MA.	10V. @ 1.0A.	20V.C.T. @ 500MA.	1 3/8	2 13/16	1 7/16	2 3/8	1.31	.25	.75
	✓PPC-40	APC	10.0	12V. @ 450MA.	12V. @ 900MA.	24V.C.T. @ 450MA.	1 3/8	2 13/16	1 7/16	2 3/8	1.31	.25	.75
	✓PPC-30	APC	10.0	20V. @ 250MA.	20V. @ 500MA.	40V.C.T. @ 250MA.	1 3/8	2 7/8	1 1/2	2 3/8	1.30	.25	.75
✓PPC-53	APC	10.0	115V. @ 87MA	115V. @ 174MA.	230V.C.T. @ 87MA.	1 3/8	2 13/16	1 7/16	2 3/8	1.31	.25	.75	
H	✓PPC-54	PC	24.0	5V. @ 2.4A.	5V. @ 4.8A.	10V.C.T. @ 2.4A.	1 3/8	1 5/8	2 1/4	—	2.11	.25	.90
	✓PPC-55	PC	24.0	6.3V. @ 2.0A.	6.3V. @ 4.0A.	12.6V.C.T. @ 2.0A.	1 3/8	1 5/8	2 1/4	—	2.11	.25	.90
	✓PPC-56	PC	24.0	8V. @ 1.5A	8V. @ 3.0A.	16.0V.C.T. @ 1.5A.	1 3/8	1 5/8	2 1/4	—	2.11	.25	.90
	✓PPC-57	PC	24.0	10V. @ 1.2A	10V. @ 2.4A.	20V.C.T. @ 1.2A.	1 3/8	1 5/8	2 1/4	—	2.11	.25	.90
	✓PPC-58	PC	24.0	12V. @ 1.0A	12V. @ 2.0A.	24V.C.T. @ 1.0A.	1 3/8	1 5/8	2 1/4	—	2.11	.25	.90
✓PPC-59	PC	24.0	14V. @ 800MA.	14V. @ 1.6A.	28V.C.T. @ 800MA.	1 3/8	1 5/8	2 1/4	—	2.11	.25	.90	
I	✓PPC-60	PC	24.0	17V. @ 700MA.	17V. @ 1.4A.	34V.C.T. @ 700MA.	1 3/8	1 5/8	2 1/4	—	2.11	.25	.90
	✓PPC-61	PC	24.0	20V. @ 600MA.	20V. @ 1.2A	40V.C.T. @ 600MA.	1 3/8	1 5/8	2 1/4	—	2.11	.25	.90
	✓PPC-62	PC	24.0	28V. @ 420MA.	28V. @ 840MA.	56V.C.T. @ 420MA.	1 3/8	1 5/8	2 1/4	—	2.11	.25	.90
	✓PPC-63	PC	24.0	60V. @ 200MA.	60V. @ 400MA.	120V.C.T. @ 200MA.	1 3/8	1 5/8	2 1/4	—	2.11	.25	.90

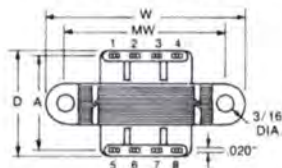
✓—New item—U.L. Recognition not available at time of catalog printing. * All primaries for 115-230 V., 50-60 Hz. ▲ R.M.S. values.

NEW!! MICROPROCESSOR POWERS

Developed especially for triple output regulated DC supplies that are used in microprocessor, logic and OP-amp circuit combinations. Outputs are listed in RMS values and will deliver popular ± 12 and ± 15 volts with 5V standby values included.

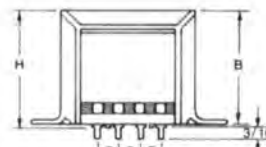


DUAL TAPPED SECONDARIES

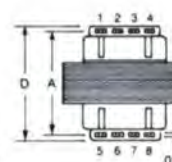


STYLE APC

(Bottom View)

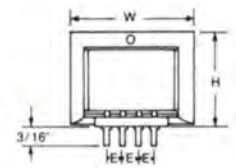


(Side View)



STYLE PC

(Bottom View)



(Side View)

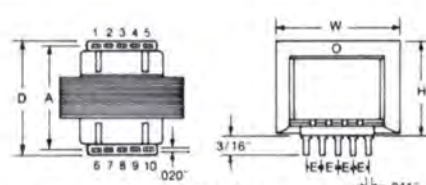
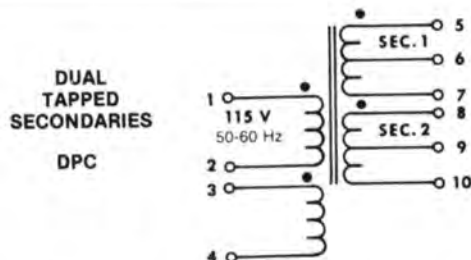
WITH SINGLE PRIMARY FOR 115 VOLTS, 50-60 HERTZ INPUT

S E C T	STANCOR Part No.	Style	VA Cap.	Output From Two Secondary Windings▲ RMS		Dimensions-Inches						Wt. Lbs.
				Secondary No. 1	Secondary No. 2	Case			Mounting			
						H	W	D	MW	A	E	
A	✓PPC-35	PC	1.5	9V. C.T. @ .100A.	24V.C.T. @ .025A.	1 1/8	1 25/64	1 5/32	—	1.00	.20	.22
	✓PPC-37	PC	1.5	15V.C.T. @ .060A.	32V.C.T. @ .020A.	1 1/8	1 25/64	1 5/32	—	1.00	.20	.22
	✓PPC-38	APC	4.5	15V.C.T. @ .195A.	32V.C.T. @ .050A.	1 25/64	2 3/8	1 1/4	2 3/8	1.31	.25	.47
	✓PPC-36	APC	7.5	9V.C.T. @ .500A.	24V.C.T. @ .125A.	1 1/4	2 13/16	1 5/32	2 3/8	1.31	.25	.75
	✓PPC-39	APC	7.5	15V.C.T. @ .287A.	32V.C.T. @ .100A	1 1/4	2 13/16	1 5/32	2 3/8	1.31	.25	.75
B	✓PPC-X-12	PC	6.0	10V.C.T. @ .390A.	20V.C.T. @ .107A.	1 3/8	1 7/8	1 7/16	—	1.31	.25	.56
	✓PPC-X-15	PC	6.0	10V.C.T. @ .390A.	24V.C.T. @ .090A	1 3/8	1 7/8	1 7/16	—	1.31	.25	.56
	✓PPC-Y-12	PC	15.0	10V.C.T. @ .900A.	20V.C.T. @ .270A	1 3/8	1 3/8	2 1/4	—	2.1	.25	.75
	✓PPC-Y-15	PC	15.0	10V.C.T. @ .900A	24V.C.T. @ .240A	1 3/8	1 3/8	2 1/4	—	2.1	.25	.75

WITH DUAL PRIMARIES FOR 115/230 VOLTS,— 50-60 HERTZ INPUT. (SEE SCHEMATIC BELOW)

C	✓DPC-X-12	PC	6.0	10V.C.T. @ .390A.	20V.C.T. @ .107A	1 3/8	1 7/8	1 7/16	—	1.31	.20	.56
	✓DPC-X-15	PC	6.0	10V.C.T. @ .390A.	24V.C.T. @ .090A	1 3/8	1 7/8	1 7/16	—	1.31	.20	.56
	✓DPC-Y-12	PC	15.0	10V.C.T. @ .900A.	20V.C.T. @ .270A.	1 3/8	1 3/8	2 1/4	—	2.1	.20	.56
	✓DPC-Y-15	PC	15.0	10V.C.T. @ .900A	24V.C.T. @ .240A	1 3/8	1 3/8	2 1/4	—	2.1	.20	.56

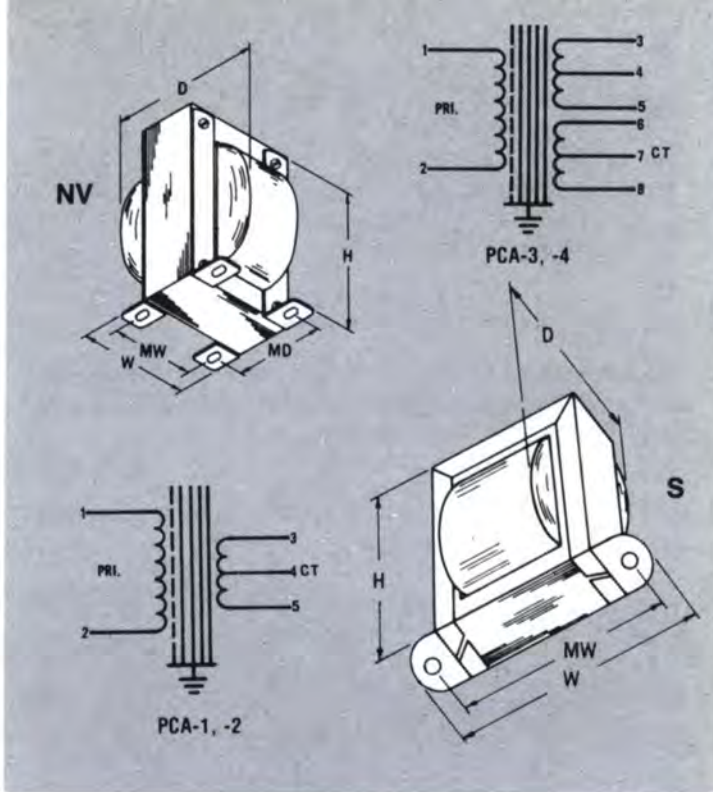
✓ New Item.



STYLE PC
10 PIN STYLE

(Bottom View)

(Side View)



POWER SUPPLY TRANSFORMERS

(FOR PERIPHERAL COMPUTER ACCESSORIES — "PCA SERIES")

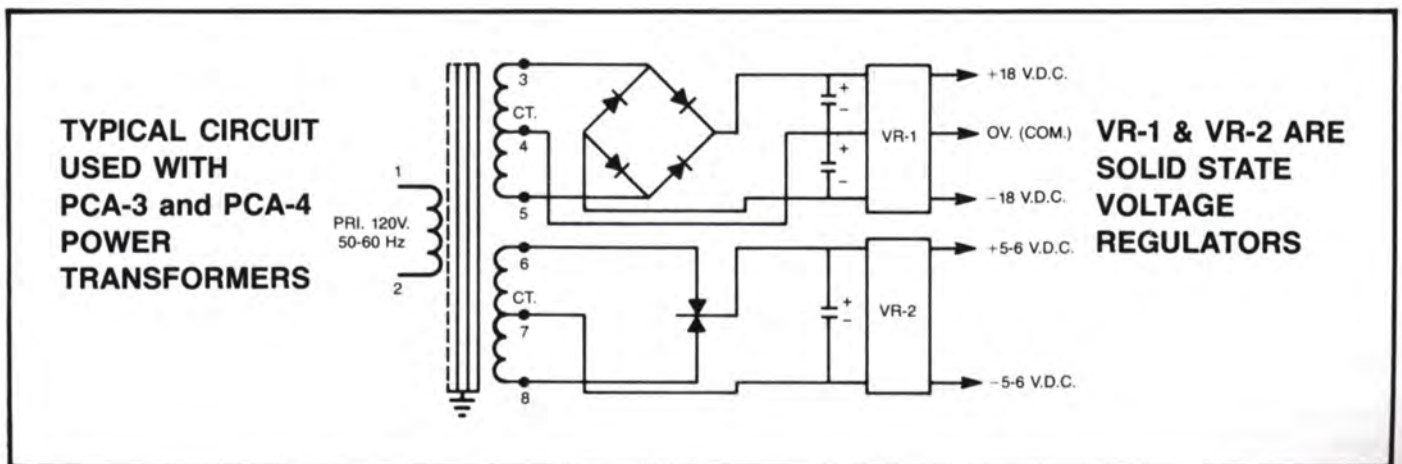
Designed for use in power supplies delivering regulated positive and negative D.C. voltage for Op-Amps and separate 5 to 6 Volt regulated D.C. voltage for Logic circuits. All transformer ratings are for continuous duty with a 105°C. maximum operating temperature limit. All primaries for 120 volts, 50-60 Hertz. All have electrostatic shield grounded to core internally.

SECT	STANCOR Part No.	Style	Sec. #1 A.C.▲		Sec. #2 A.C.▲		Termination		Dimensions-Inches					Wt. Lbs.
			Volts	Amps.	Volts	Amps.	Pri.	Sec.	Case			Mounting		
									H	W	D	MW	MD	
A	PCA-1	S	35C.T.	0.21	—	—	Lugs	Lugs	2 ³ / ₈	2 ⁷ / ₈	1 ⁵ / ₈	2 ³ / ₈	—	1.0
	PCA-2	S	33C.T.	0.35	—	—	Lugs	Lugs	2 ¹¹ / ₁₆	3 ¹ / ₈	1 ⁷ / ₈	2 ¹³ / ₁₆	—	1.4
	PCA-3	NV	33C.T.	0.21	18C.T.	1.25	Lugs	Lugs	3 ¹ / ₈	2 ¹ / ₂	2 ⁵ / ₈	2	2 ³ / ₈	3.0
	PCA-4	NV	34C.T.	0.35	19C.T.	2.50	Lugs	Lugs	3 ⁷ / ₁₆	2 ¹³ / ₁₆	2 ⁷ / ₈	2 ¹ / ₄	2 ³ / ₈	3.9

▲R.M.S. values.

D.C. OUTPUT RATINGS

STANCOR Part No.	Secondary No. 1 FWB Rectifier	Input Filter Cap.	Secondary No. 2 FWCT Rectifier	Input Filter Cap.
PCA-1	Pos. 21V. D.C. at 150MA. D.C. Neg. 21V. D.C. at 150MA. D.C.	500MF 500MF	— —	— —
PCA-2	Pos. 21V. D.C. at 250MA. D.C. Neg. 21V. D.C. at 250MA. D.C.	500MF 500MF	— —	— —
PCA-3	Pos. 21V. D.C. at 150MA. D.C. Neg. 21V. D.C. at 150MA. D.C.	500MF 500MF	8.5V. D.C. at 2.0 Amps. D.C. —	1000MF —
PCA-4	Pos. 21V. D.C. at 250MA. D.C. Neg. 21V. D.C. at 250MA. D.C.	500MF 500MF	8.0V. D.C. at 4.0 Amps. D.C. —	3000MF —



VR-1 & VR-2 ARE SOLID STATE VOLTAGE REGULATORS

D.C. POWER SUPPLY TRANSFORMERS

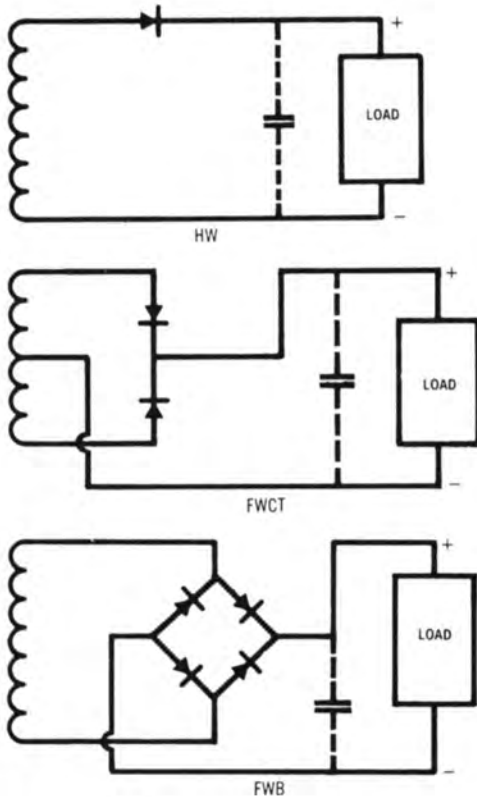
HOW TO DETERMINE SECONDARY AC (RMS) CURRENT RATINGS

The tabular data for the various Rectifier, Control and Filament types of transformers listed in this catalog shows A.C. (R.M.S.) secondary current, unless otherwise indicated, as in the "RT" and "TP" series listings.

When used in various rectifier circuits, with the possibility of different types of loads, the RMS secondary current will be different for each specific condition. To assist the user, the following information is given so that the proper transformer may be selected.

The rectifier circuits as related to these transformers are:

- HW = Half-Wave
- FWCT = Full-Wave Center Tap
- FWB = Full-Wave Bridge
- FWD = Full-Wave Doubler



The formula for the relation between secondary RMS current (I_{AC}) which the transformer has to deliver and the D.C. output current taken from the rectifier (I_{DC}) is:

$$I_{AC} = K_{FF} \times I_{DC}$$

where K_{FF} is the form factor. The factor for each circuit and type of load is as follows:

REACTOR LOAD

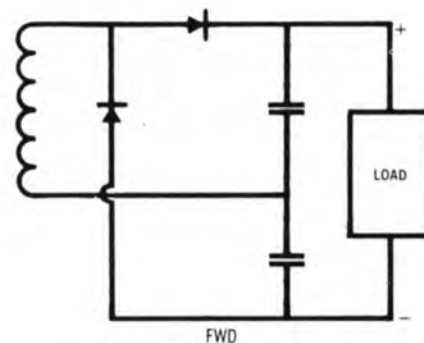
Rectifier Circuit	Form Factor
HW	1.25
FWCT	0.7
FWB	1.0

CAPACITOR LOAD

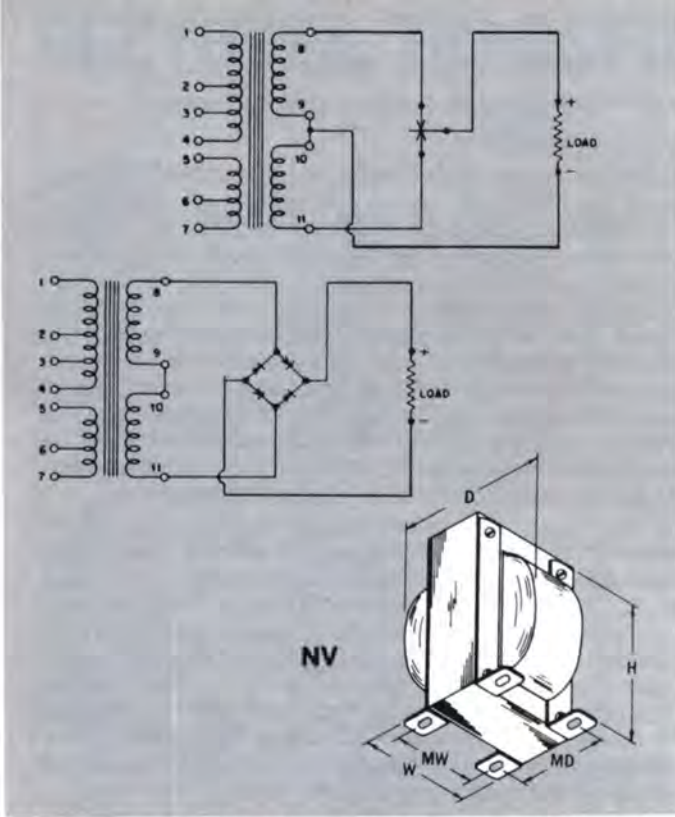
Rectifier Circuit	Form Factor
HW	2.3
FWCT	1.2
FWB	1.8
FWD	4.0 (approx.)

Only transformers with a CT connection are usable in the FWCT circuit and the FWD circuit will have only a capacity load. The size and type of capacitors used in the FWD circuit will affect the form factor. The factor shown is an approximate maximum for the full-wave symmetrical voltage doubler circuit using two similar electrolytic capacitors.

The transformer selected for a specific D.C. output voltage and current rating, with known type of load after the rectifier, should deliver sufficient RMS voltage to make up for the voltage drop in each rectifier junction plus any drop in a filter or regulator that is used.



RECTIFIER TRANSFORMERS



UNIVERSAL RECTIFIER TRANSFORMERS: PRIMARIES 117 VOLTS 50/60 Hz. — SOLDER LUG TERMINATION (RECTIFIER NOT INCLUDED)

S E C T	STANCOR Part No.	Style	Rectifier Circuit	Range of Applied AC Volts Under Load (Approx.)	Output Resistive or Inductive Load Max. DC		Output Capacitive Load * Max. DC		Dimensions - Inches					Wt. Lbs.
					Volts	Amps.	Volts	Amps.	Case			Mounting		
									H	W	D	MW	MD	
A	RT-201	NV	C.T. Bridge	11.7 to 29.4 11.1 to 28.5	11.2 23.0	2.0 1.25	13.8 ¹ 30.0 ²	2.0 1.25	3 ¹ / ₈	2 ¹ / ₂	2 ³ / ₈	2	2 ¹ / ₈	2.5
	RT-202	NV	C.T. Bridge	12.0 to 29.8 12.0 to 29.8	11.1 24.3	4.0 2.0	14.7 ³ 33.0 ¹	4.0 2.0	3 ⁷ / ₁₆	2 ¹³ / ₁₆	2 ³ / ₄	2 ¹ / ₄	2 ³ / ₈	3.8
	RT-204	NV	C.T. Bridge	11.7 to 29.2 11.6 to 29.2	12.0 24.0	8.0 4.0	14.5 ⁴ 32.4 ³	8.0 4.0	3 ¹³ / ₁₆	3 ¹ / ₈	3 ¹ / ₂	2 ¹ / ₂	2 ⁷ / ₈	6.1
	RT-206	NV	C.T. Bridge	12.0 to 29.7 12.0 to 29.7	11.5 24.0	12.0 6.0	14.4 ⁵ 32.0 ⁶	12.0 6.0	4 ³ / ₁₆	3 ⁷ / ₁₆	4	2 ³ / ₄	3 ¹ / ₄	9.1
	RT-208	NV	C.T. Bridge	12.1 to 29.2 12.1 to 29.2	11.4 23.7	15.0 8.0	14.8 ⁷ 32.5 ⁴	15.0 8.0	4 ⁹ / ₁₆	3 ³ / ₄	5	2 ¹⁵ / ₁₆	3 ³ / ₄	12.6
B	RT-2012	NV	C.T. Bridge	12.2 to 29.0 12.2 to 29.0	11.4 23.5	22.5 12.0	14.3 ⁸ 33.0 ⁵	22.5 12.0	5 ⁵ / ₁₆	4 ³ / ₈	5 ⁷ / ₈	3 ¹ / ₂	4 ¹ / ₄	20.5
C	RT-400	NV	C.T. Bridge	23.5 to 60.0 23.5 to 60.0	25.0 53.0	1.0 0.5	34.0 ⁹ 74.0 ¹⁰	1.0 0.5	3 ¹ / ₈	2 ¹ / ₂	3 ³ / ₈	2	2 ¹ / ₄	2.7
	RT-401	NV	C.T. Bridge	24.0 to 59.0 24.0 to 59.0	25.0 52.5	2.0 1.0	34.0 ¹¹ 73.5 ⁹	2.0 1.0	3 ⁷ / ₁₆	2 ¹³ / ₁₆	3 ¹¹ / ₁₆	2 ¹ / ₄	2 ¹ / ₂	4.1
	RT-402	NV	C.T. Bridge	23.0 to 58.0 23.0 to 58.0	25.0 51.5	4.0 2.0	33.5 ⁶ 72.5 ⁹	4.0 2.0	3 ¹³ / ₁₆	3 ¹ / ₈	4 ¹ / ₂	2 ¹ / ₂	3 ¹ / ₁₆	6.9
	RT-408	NV	C.T. Bridge	25.0 to 54.1 25.0 to 54.1	23.4 46.3	12.0 8.0	32.0 ⁴ 66.8 ⁴	12.0 8.0	5 ⁵ / ₁₆	4 ³ / ₈	6 ³ / ₄	3 ¹ / ₂	5 ¹ / ₄	26.5
	RT-4012	NV	C.T. Bridge	25.0 to 53.0 25.0 to 53.0	— 43.5	— 12.0	— 60.0 ⁵	— 12.0	7 ¹ / ₈	5 ⁵ / ₈	6 ¹ / ₂	4 ⁵ / ₈	5 ¹ / ₂	34.0

*MFD Filter Capacitor: 1-1000, 2-500, 3-2000, 4-4000, 5-6000, 6-3000, 7-7500, 8-12000, 9-1500, 10-600, 11-2500

RECTIFIER CIRCUIT POWER TRANSFORMERS

Each transformer has the winding arrangement and terminal numbering shown in the schematic diagrams above. The primary winding is connected to terminals 1, 2, 3 & 4. A separate winding is connected to terminals 5, 6 & 7 that may be used in series with the primary to raise or lower the secondary voltage output. A variety of combinations is possible using the taps on both windings, plus the "Aiding" or "Bucking" action of the extra winding.

Designed for 117 V. 50/60 cycle operation; may also be satisfactorily operated at 400 cycles.

The secondary winding of each transformer consists of two identical windings connected to terminals 8 & 9 and to 10 & 11 respectively. Use the tables showing the various output voltages for specific terminal connections as your guide. Many combinations are possible other than those listed in the tables. All ratings shown are for normal convection air cooled applications. Select only rectifiers capable of handling the output voltages and currents described.

When operating these transformers continuously at maximum rated output voltage and current and because of certain other

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RECTIFIER TRANSFORMERS

RECTIFIER CIRCUIT POWER TRANSFORMERS

(Continued From Page 17)

conditions, it is sometimes necessary to derate the rectified output current (DC) as much as 20%, in order to stay within the recommended operating temperature limit of 105 degrees Centigrade. The type of rectifier circuit and load (capacitive, inductive or resistive) determines the relative amount of current (RMS) in the transformer secondary winding. The relationship of AC to DC (secondary RMS current to rectified DC output) for typical circuits and loads is given in the Technical Data on Page 16 of this catalog. Operating duty cycle, type of cooling (natural convection in free air or otherwise) and the power line input voltage and frequency also have an effect on the transformer temperature. These things should all be properly related to the results in any specific application.

The "RT-Series" of transformers may also be used in other rectifier circuits than the Full-wave C.T. and Full-wave Bridge shown above. In circuits such as the Half-wave or Full-wave Voltage Doubler (symmetrical) and Full-wave Bridge, where a C.T. connection is not required, both secondary windings may be connected in parallel, to double the RMS current that is available from each secondary separately. The RMS voltage will, of course, be half of the amount available as that obtained with the secondaries connected in series. Please refer to the adjacent data to obtain the secondary RMS current as related to each rectifier circuit and type of load.

Voltages expressed in the tables are approximate and will vary within plus or minus two (2) Volts.

RT-201		Full-Wave C.T.				Full-Wave Bridge			
STANCOR Power Supply		Output 2.0 A. DC				Output 1.25 A. DC			
Input 117 vac Term. No.	Connect Term. No.	Resistive Load		Capacitive Load *		Resistive Load		Capacitive Load †	
		Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC
1-2	—	29.4	11.2	28.8	13.8	28.5	23.0	27.9	30.0
1-7	2-6	26.0	9.8	25.7	11.7	25.4	20.0	25.1	26.4
1-6	2-5	23.0	8.4	22.7	9.9	22.3	17.3	21.8	22.2
1-7	2-5	20.9	7.4	20.8	8.6	20.2	15.4	19.8	19.7
1-3	—	19.4	6.7	19.1	7.6	18.6	13.9	18.2	17.6
1-7	3-6	17.8	6.1	17.6	6.7	17.2	12.8	16.8	15.7
1-6	3-5	16.3	5.3	16.1	6.0	15.7	11.2	15.2	13.8
1-7	3-5	14.9	4.7	14.8	5.3	14.3	10.3	14.1	12.4
1-4	—	14.2	4.4	14.2	5.0	13.7	9.7	13.5	11.6
1-7	4-6	13.4	4.0	13.3	4.4	12.7	8.8	12.5	10.4
1-6	4-5	12.4	3.6	12.4	3.9	11.7	7.9	11.7	9.5
1-7	4-5	11.7	3.3	11.7	3.5	11.1	7.4	11.1	8.7

*1000 MFD.

† 500 MFD.

RT-202		Full-Wave C.T.				Full-Wave Bridge			
STANCOR Power Supply		Output 4.0 A. DC				Output 2.0 A. DC			
Input 117 vac Term. No.	Connect Term. No.	Resistive Load		Capacitive Load *		Resistive Load		Capacitive Load †	
		Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC
1-2	—	29.7	11.1	29.3	14.7	29.7	24.3	24.3	33.0
1-7	2-6	26.2	9.8	26.0	12.6	26.2	21.5	26.0	29.0
1-6	2-5	24.4	8.8	24.0	11.3	24.3	19.5	23.9	26.0
1-7	2-5	21.9	7.8	21.7	9.9	21.8	17.6	21.5	23.1
1-3	—	20.9	7.4	20.7	9.3	20.9	16.6	20.6	21.7
1-7	3-6	19.2	6.6	18.9	8.2	19.1	15.1	18.9	19.6
1-6	3-5	18.0	6.1	17.8	7.5	18.0	14.2	17.8	18.2
1-7	3-5	16.6	5.5	16.4	6.6	16.6	12.8	16.4	16.3
1-4	—	14.4	4.4	14.2	5.3	14.4	19.8	14.2	13.7
1-7	4-6	13.5	4.1	13.4	4.9	13.5	10.1	13.4	12.6
1-6	4-5	12.9	3.9	12.7	4.4	12.9	9.5	12.7	11.7
1-7	4-5	12.2	3.7	12.0	4.0	12.2	8.9	12.0	10.8

*2000 MFD.

† 1000 MFD.

RECTIFIER TRANSFORMERS (Continued) STANCOR

TRANSFORMERS

RT-204		Full-Wave C.T.				Full-Wave Bridge			
STANCOR Power Supply		Output 8.0 A. DC				Output 4.0 A. DC			
Input 117 vac Term. No.	Connect Term. No.	Resistive Load		Capacitive Load*		Resistive Load		Capacitive Load †	
		Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC
1-2	—	29.2	12.0	28.8	14.5	29.2	24.0	29.0	32.4
1-7	2-6	25.7	10.5	25.7	12.6	25.7	21.1	25.4	29.2
1-6	2-5	22.8	9.2	22.8	10.9	22.8	18.7	22.7	25.7
1-7	2-5	20.6	8.3	20.6	9.6	20.7	16.6	20.6	22.8
1-3	—	19.3	7.7	19.3	8.7	19.4	15.4	19.0	21.0
1-7	3-6	17.6	7.0	17.6	7.8	17.8	14.0	17.6	19.0
1-6	3-5	16.2	6.3	16.2	6.9	16.3	12.7	16.1	17.2
1-7	3-5	15.0	5.8	15.0	6.3	15.1	11.6	14.9	15.6
1-4	—	14.2	5.4	14.2	5.8	14.4	11.0	14.2	14.8
1-7	4-6	13.3	5.0	13.3	5.3	13.4	10.2	13.3	13.5
1-6	4-5	12.5	4.6	12.5	4.9	12.6	9.4	12.5	12.4
1-7	4-5	11.7	4.3	11.7	4.5	11.8	8.8	11.6	11.4

* 4000 MFD.

† 2000 MFD.

RT-206		Full-Wave C.T.				Full-Wave Bridge			
STANCOR Power Supply		Output 12.0 A. DC				Output 6.0 A. DC			
Input 117 vac Term. No.	Connect Term. No.	Resistive Load		Capacitive Load*		Resistive Load		Capacitive Load †	
		Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC
1-2	—	29.8	11.5	29.6	14.4	29.6	24.0	29.2	32.0
1-7	2-6	26.0	9.9	25.8	12.0	25.8	20.6	25.4	27.3
1-6	2-5	23.8	8.8	23.6	10.7	23.8	18.6	23.6	24.6
1-7	2-5	21.2	7.6	21.0	9.0	21.2	16.4	21.0	21.4
1-3	—	19.7	7.0	19.7	8.4	19.7	15.2	19.4	19.2
1-7	3-6	17.9	6.2	17.8	7.2	17.9	13.5	17.8	17.3
1-6	3-5	16.7	5.7	16.6	6.6	16.8	12.5	16.6	15.8
1-7	3-5	15.4	5.1	15.4	5.9	15.4	11.4	15.2	14.0
1-4	—	14.6	4.7	14.5	5.2	14.6	10.6	14.5	13.4
1-7	4-6	13.5	4.2	13.4	4.7	13.5	9.8	13.4	12.0
1-6	4-5	12.9	3.9	12.8	4.3	12.9	9.2	12.8	11.0
1-7	4-5	12.0	3-4	12.0	3.9	12.0	8.4	12.0	10.0

* 6000 MFD.

† 3000 MFD.

RT-208		Full-Wave C.T.				Full-Wave Bridge			
STANCOR Power Supply		Output 15.0 A. DC				Output 8.0 A. DC			
Input 117 vac Term. No.	Connect Term. No.	Resistive Load		Capacitive Load*		Resistive Load		Capacitive Load †	
		Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC
1-2	—	29.2	11.4	29.2	14.8	29.2	23.7	29.0	32.5
1-7	2-6	25.4	9.9	25.4	12.5	25.3	21.0	25.2	27.0
1-6	2-5	24.1	9.3	24.0	11.6	24.0	19.4	23.9	25.5
1-7	2-5	21.5	8.2	21.5	10.0	21.3	17.0	21.3	22.0
1-3	—	19.3	7.1	19.3	8.7	19.1	14.9	19.1	21.2
1-7	3-6	17.6	6.4	17.5	7.7	17.4	13.4	17.4	17.0
1-6	3-5	16.8	6.0	16.8	7.2	16.8	12.9	16.7	16.1
1-7	3-5	15.6	5.5	15.5	6.5	15.4	11.7	15.4	14.5
1-4	—	14.4	5.0	14.4	5.7	14.2	10.7	14.2	13.1
1-7	4-6	13.4	4.5	13.4	5.1	13.3	9.8	13.3	11.9
1-6	4-5	13.0	4.3	12.9	4.8	12.9	9.5	12.8	11.4
1-7	4-5	12.2	3.9	12.1	4.4	12.1	8.7	12.1	10.4

* 7500 MFD.

† 4000 MFD.

RT-2012		Full-Wave C.T.				Full-Wave Bridge			
STANCOR Power Supply		Output 22.5 A. DC				Output 12.0 A. DC			
Input 117 vac Term. No.	Connect Term. No.	Resistive Load		Capacitive Load*		Resistive Load		Capacitive Load †	
		Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC
1-2	—	29.1	11.4	28.8	14.3	29.0	23.5	28.7	33.0
1-7	2-6	25.2	9.7	25.1	12.0	25.3	20.4	25.1	28.0
1-6	2-5	23.6	8.9	23.6	10.9	23.5	18.8	23.5	25.7
1-7	2-5	21.1	7.7	21.0	9.4	21.0	16.3	20.9	22.3
1-3	—	19.3	7.2	19.3	8.3	19.2	14.8	19.2	20.2
1-7	3-6	17.7	6.3	17.7	7.2	17.5	13.4	17.5	17.7
1-6	3-5	16.9	6.0	16.9	6.7	16.8	12.5	16.8	16.7
1-7	3-5	15.6	5.4	15.7	5.9	15.5	11.5	15.5	15.1
1-4	—	14.6	4.9	14.6	5.4	14.5	10.7	14.5	13.7
1-7	4-6	13.5	4.4	13.5	4.7	13.5	9.7	13.4	12.6
1-6	4-5	13.0	4.3	13.0	4.5	13.0	9.3	13.0	11.9
1-7	4-5	12.2	3.9	12.1	4.0	12.2	8.6	12.0	10.8

* 11,250 MFD.

† 6000 MFD.

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STANCOR

RECTIFIER TRANSFORMERS (Continued)

TRANSFORMERS

RT-400		Full-Wave C.T.				Full-Wave Bridge			
STANCOR Power Supply		Output 1.0 A. DC				Output 0.5 A. DC			
		Resistive Load		Capacitive Load *		Resistive Load		Capacitive Load †	
Input 117 vac Term. No.	Connect Term. No.	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC
1-2	—	60.0	25.0	60.0	34.0	60.0	53.0	60.0	74.0
1-7	2-6	53.5	22.0	53.5	30.0	53.0	47.0	53.0	65.0
1-6	2-5	47.0	19.0	47.0	25.0	47.0	41.5	47.0	57.0
1-7	2-5	42.5	17.0	42.5	22.5	42.5	37.5	42.5	51.5
1-3	—	39.0	16.0	39.0	20.0	39.0	34.5	39.5	47.0
1-7	3-6	36.0	14.0	36.0	18.5	36.0	32.0	36.0	43.0
1-6	3-5	32.5	13.0	32.5	16.5	32.5	29.0	32.5	38.5
1-7	3-5	30.5	12.0	30.5	15.0	30.5	26.5	30.5	36.0
1-4	—	29.0	11.0	29.0	14.5	29.0	25.0	29.0	34.0
1-7	4-6	27.5	10.0	27.5	13.0	27.0	23.5	27.0	32.0
1-6	4-5	25.5	9.5	25.5	12.0	25.0	22.0	25.0	29.0
1-7	4-5	23.5	9.0	23.5	11.0	23.5	20.5	23.5	27.0

* 1500 MFD.

† 600 MFD.

RT-401		Full-Wave C.T.				Full-Wave Bridge			
STANCOR Power Supply		Output 2.0 A. DC				Output 1.0 A. DC			
		Resistive Load		Capacitive Load *		Resistive Load		Capacitive Load †	
Input 117 vac Term. No.	Connect Term. No.	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC
1-2	—	59.0	25.0	59.0	34.0	59.5	52.5	59.5	73.5
1-7	2-6	53.0	22.0	52.5	30.0	53.0	46.5	52.5	65.0
1-6	2-5	48.5	20.0	48.0	27.0	48.5	43.0	48.0	59.5
1-7	2-5	43.5	18.0	43.5	24.0	44.0	39.0	44.0	53.5
1-3	—	42.0	17.0	42.0	22.5	42.0	37.0	42.0	51.0
1-7	3-6	38.0	15.0	38.0	20.5	38.5	33.5	38.5	46.5
1-6	3-5	36.0	14.5	36.0	19.0	36.0	31.5	36.0	43.5
1-7	3-5	33.0	13.0	33.0	17.0	33.5	29.0	33.5	40.0
1-4	—	29.0	11.0	29.0	14.5	29.0	25.0	29.0	34.5
1-7	4-6	27.0	10.5	27.0	13.0	27.0	23.0	27.0	32.0
1-6	4-5	25.5	10.0	25.5	12.5	26.0	22.0	26.0	30.5
1-7	4-5	24.0	9.0	24.0	11.5	24.5	20.5	24.5	28.5

* 2500 MFD.

† 1500 MFD.

RT-402		Full-Wave C.T.				Full-Wave Bridge			
STANCOR Power Supply		Output 4.0 A. DC				Output 2.0 A. DC			
		Resistive Load		Capacitive Load *		Resistive Load		Capacitive Load †	
Input 117 vac Term. No.	Connect Term. No.	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC
1-2	—	58.0	25.0	58.0	33.5	58.0	51.5	58.0	72.5
1-7	2-6	51.0	21.5	51.0	29.0	51.0	45.0	51.0	63.5
1-6	2-5	45.5	19.0	45.5	25.0	45.5	40.0	45.5	56.0
1-7	2-5	41.0	17.0	41.0	22.0	41.0	36.0	41.0	50.0
1-3	—	38.0	15.5	38.0	20.5	38.5	33.5	38.5	46.5
1-7	3-6	35.0	14.0	35.0	18.5	35.0	30.5	35.0	42.5
1-6	3-5	32.0	13.0	32.0	16.5	32.0	28.0	32.0	39.0
1-7	3-5	29.5	12.0	29.5	15.0	30.0	26.0	30.0	36.0
1-4	—	28.0	11.0	28.0	14.0	28.5	24.5	28.5	33.5
1-7	4-6	26.0	10.0	26.0	13.0	26.5	22.5	26.5	31.5
1-6	4-5	24.5	9.5	24.5	12.0	25.0	21.0	25.0	29.0
1-7	4-5	23.0	9.0	23.0	11.0	23.5	20.0	23.5	27.0

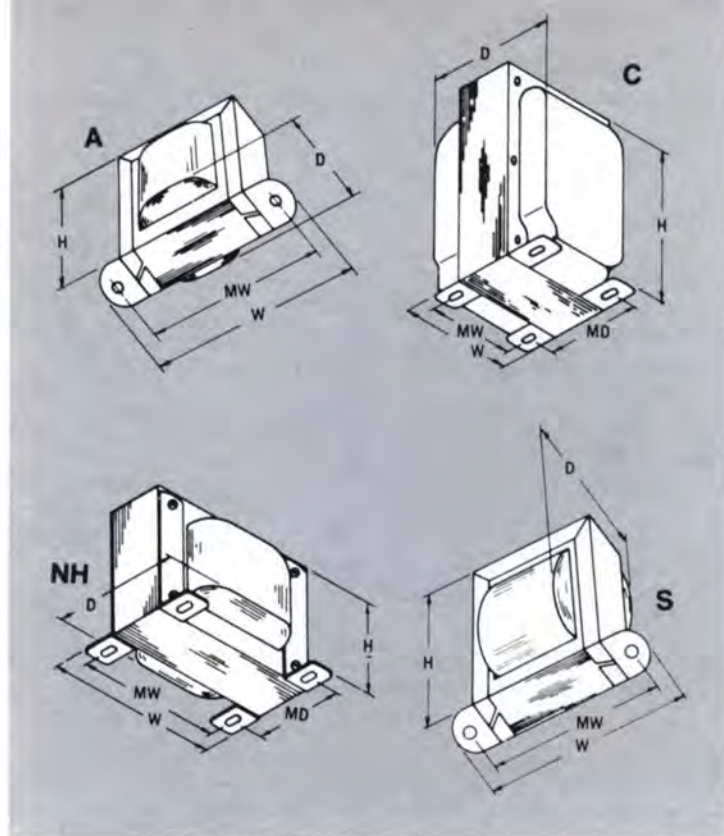
* 3000 MFD.

† 1500 MFD.

RT-408/RT-4012		RT-408 Full-Wave Bridge				RT-4012 Full-Wave Bridge			
STANCOR Power Supply		Output 8.0 A. DC				Output 12.0 A. DC			
		Resistive Load		Capacitive Load *		Resistive Load		Capacitive Load †	
Input 117 vac Term. No.	Connect Term. No.	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC	Sec. Volts AC	Output Volts DC
1-2	—	53.5	44.0	53.0	63.0	53.0	43.5	53.0	60.0
1-7	2-6	50.0	40.5	50.0	59.0	49.5	40.0	49.0	55.0
1-6	2-5	45.3	37.0	45.0	52.0	43.5	34.0	43.0	48.0
1-7	2-5	42.5	34.5	42.0	48.0	41.5	32.0	41.0	45.4
1-3	—	37.5	30.5	37.5	40.0	37.5	29.0	37.0	40.0
1-7	3-6	35.5	27.5	35.5	39.0	35.5	27.0	35.0	37.5
1-6	3-5	32.5	25.0	33.0	35.5	32.8	24.0	32.7	34.0
1-7	3-5	31.5	24.0	31.5	31.5	31.0	23.0	30.8	31.0
1-4	—	29.0	21.5	29.0	29.5	29.0	21.2	29.0	29.0
1-7	4-6	27.5	20.5	27.5	28.0	27.8	20.0	28.0	28.0
1-6	4-5	26.0	19.5	26.0	26.0	26.0	19.0	26.0	25.0
1-7	4-5	25.0	18.0	25.0	25.0	25.0	18.0	25.0	24.0

* 4300 MFD.

† 4300 MFD.



RECTIFIER AND TRANSISTOR POWER TRANSFORMERS

FOR TRANSISTOR POWER SUPPLIES:
 PRIMARIES 117 VOLTS 60 Hz. § —
 LEAD WIRE TERMINATION, EXCEPT †

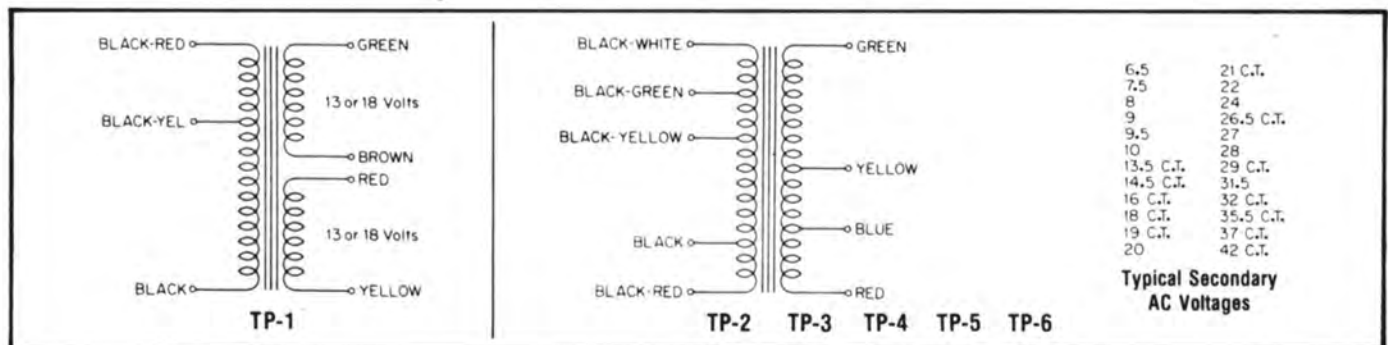
S E C T	STANCOR Part No.	Style	Secondary #1		Secondary #2		Dimensions - Inches					Wt. Lbs.
			Volts	Amperes	Volts	Amperes	Case			Mounting		
							H	W	D	MW	MD	
A	P-8604*	A	20C.T.	1.0 Amps. RMS	—	—	2	3¼	2½	2 ¹³ / ₁₆	—	1.4
	P-8614*	C	30	3.0 Amps. RMS	—	—	3½	2 ¹³ / ₁₆	3½	2¼	2 ⁷ / ₁₆	4.2
	P-8621‡▲	NH	24/26/28/30	15.0 Amps. RMS	—	—	3 ¹³ / ₁₆	4½	5½	3 ¹¹ / ₁₆	4¾	17.0
	P-8623‡†	S	18/20/22	2.0 Amps. RMS	—	—	3½	3½	2¼	3½	—	2.5
	P-8197	C	50C.T.	1.0 Amps. RMS	—	—	3½	2½	2 ¹¹ / ₁₆	2	1¾	2.3
	P-8198	C	54C.T.	.5 Amps. RMS	6.3	.5 Amps. RMS	2½	2 ³ / ₁₆	2 ⁹ / ₁₆	1¾	1½	1.7
	P-8196	C	80C.T.	1.5 Amps. RMS	—	—	3½	2 ¹³ / ₁₆	3½	2¼	2¾	4.5

§ May be operated from a 400 Hz. source with no change in output ratings.
 * May be operated from 117 volts 50/60 Hz. at full rated load.

‡ Secondary is one tapped winding.
 † Has solder lug terminations. ▲ Secondary leads have lugs attached.

RECTIFIER TRANSFORMERS: PRIMARIES 117 VOLTS 60 Hz. § — LEAD WIRE TERMINATION

Multiple Primary and Secondary Taps offer a wide selection of output Voltages. All DC current ratings are based on capacitor input Filtering. Max. DC Ma For TP-1 is for each Secondary.



S E C T	STANCOR Part No.	Style	Max. DCMA			Dimensions - Inches					Wt. Lbs.
			Full-Wave C.T.	Bridge	Half-Wave	Case			Mounting		
						H	W	D	MW	MD	
B	TP-1	C	1500	900	450	3½	2½	3	2	2	2.7
	TP-2	A	150	100	50	1½	2 ⁷ / ₈	1 ⁷ / ₈	2 ³ / ₈	—	0.7
	TP-3	A	400	300	150	2¾	3¾	2½	3½	—	1.5
	TP-4	C	1500	1000	500	3½	2½	3½	2	2½	3.2
	TP-5	A	1100	750	375	2½	4	2¾	3 ⁹ / ₁₆	—	2.3
	TP-6	A	50	35	25	1¾	2¾	1 ⁷ / ₁₆	2	—	0.45

§ May be operated from a 400 Hz. source with no change in output ratings.

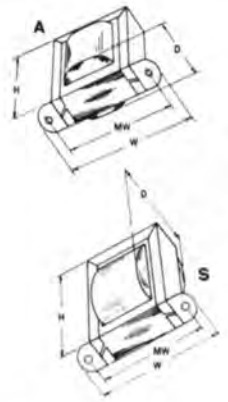
STANCOR

TRANSFORMERS

RECTIFIER & TRANSISTOR POWER TRANSFORMERS

MANUFACTURING APPLICATIONS:

- Business Machine
- Computer
- Electronics
- Small Appliance
- Instrument
- Medical Equipment
- Automatic Test Equipment
- Automatic Musical Instruments
- Automatic Assembly Equipment



MINIATURIZED CONTROL TRANSFORMERS PRIMARYS 117 VOLTS 50/60 Hz. § SECONDARIES 12 VOLTS — LEAD WIRE TERMINATION

S E C T	STANCOR Part No.	Style	Secondary Amperes			Dimensions - Inches				Wt. Lbs.
						Case			Mounting	
			RMS	Bridge†	Half-Wave†	H	W	D	MW	
A	P-8390	A	.150	.100 DC	.050 DC	1¼	2½	1¼	1¾	.25
	P-8391	A	.350	.200 DC	.110 DC	1¾	2¾	1¾	2	.35
	P-8392	A	.700	.450 DC	.225 DC	1¾	2¾	1½	2¾	.60
	P-8393	A	1.200	.750 DC	.375 DC	2	3¼	1¾	2 ¹³ / ₁₆	.85

§ May be operated from a 400 Hz. source with no change in output ratings. † All values of output DC are based on a capacitive load.

MINIATURIZED CONTROL TRANSFORMERS PRIMARYS 117 VOLTS 50/60 Hz. § SECONDARIES 24 VOLTS C.T. — LEAD WIRE TERMINATION

S E C T	STANCOR Part No.	Style	Secondary Amperes			Dimensions - Inches				Wt. Lbs.
						Case			Mounting	
			RMS	Full-Wave†	Bridge†	H	W	D	MW	
B	P-8394	A	.085	.135 DC	.065 DC	1¼	2½	1¼	1¾	.25
	P-8395	A	.200	.275 DC	.135 DC	1¾	2¾	1¾	2	.35
	P-8396	A	.400	.550 DC	.270 DC	1¾	2¾	1½	2¾	.60
	P-8397	A	.700	.925 DC	.450 DC	2	3¼	1¾	2 ¹³ / ₁₆	.85

PRIMARYS 230 VOLTS 50/60 Hz. § SECONDARIES 24 VOLTS C.T. — LEAD WIRE TERMINATION

C	P-8720	A	.085	.135 DC	.065 DC	1¼	2½	1¼	1¾	.25
	P-8721	A	.200	.275 DC	.135 DC	1¾	2¾	1¾	2	.35
	P-8722	A	.400	.550 DC	.270 DC	1¾	2¾	1½	2¾	.60
	P-8723	A	.700	.925 DC	.450 DC	2	3¼	1¾	2 ¹³ / ₁₆	.85

PRIMARYS 117 VOLTS 50/60 Hz. § SECONDARIES 28 VOLTS C.T. — LEAD WIRE TERMINATION

D	P-8600	A	.085	.110 DC	.065 DC	1¼	2½	1¼	1¾	.25
	P-8601	A	.175	.225 DC	.125 DC	1¾	2¾	1¾	2	.35
	P-8602	A	.300	.350 DC	.200 DC	1¾	2¾	1½	2¾	.60
	P-8603	A	.800	1.000 DC	.500 DC	2	3¼	2	2 ¹³ / ₁₆	1.0

PRIMARYS 117 VOLTS 50/60 Hz. § SECONDARIES 36 VOLTS C.T. — LEAD WIRE TERMINATION

E	P-8610	A	.065	.075 DC	.045 DC	1¼	2½	1¼	1¾	.25
	P-8611	A	.135	.175 DC	.100 DC	1¾	2¾	1¾	2	.35
	P-8612	A	.300	.350 DC	.200 DC	1¾	2¾	1½	2¾	.60
	P-8613	A	.550	.650 DC	.350 DC	2	3¼	1¾	2 ¹³ / ₁₆	1.0

PRIMARYS 230 VOLTS 50/60 Hz. § SECONDARIES 36 VOLTS C.T. — LEAD WIRE TERMINATION

F	P-8728	A	.065	.075 DC	.045 DC	1¼	2½	1¼	1¾	.25
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§ May be operated from a 400 Hz. source with no change in output ratings. † All values of output DC are based on a capacitive load.

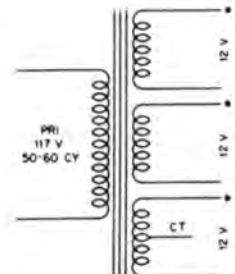
VERSATILE LOW CURRENT CONTROL TRANSFORMERS: PRIMARYS 117 VOLTS 50/60 Hz. § LEAD WIRE TERMINATION MULTIPLE SECONDARIES

Three isolated 12 Volt Secondaries (one with a center tap) provide many combinations of output voltages and current by series or parallel combinations.

S E C T	STANCOR Part No.	Style	Amperes▲ Each Sec.	Dimensions - Inches				Wt. Lbs.
				Case			Mounting	
				H	W	D	MW	
G	P-8361	S	.10	1¾	2	1½	1¾	.36
	P-8362	S	.15	2	2¾	1¾	2	.60
	P-8363	S	.25	2¾	2¾	1¾	2¾	.85
	P-8364	S	.50	2¾	2¾	2½	2¾	1.25

§ May be operated from a 400 Hz. source with no change in output ratings.

▲ R.M.S. values.



TYPE CV CONSTANT VOLTAGE TRANSFORMER



MANUFACTURERS APPLICATIONS:

- Telephone Equipment
- Duplicating Machines
- Optical Equipment
- Medical Equipment
- Radiation Detection
- Office Equipment

APPLICATION DATA

STANCOR constant voltage transformers are designed and rated for use in a full wave center tapped rectifier circuit. Stancor's unique insulation system allows all units to be rated class B 130°C and can be used in class "A" systems with longer life expectancy.

They are operated in Ferro-Resonance in conjunction with an AC tuning capacitor that is supplied at no extra cost with each unit.

The output voltage remains essentially constant over input line swings of plus or minus 15% of nominal. A Stancor CV transformer is required for critical voltage applications where "Brown-out" conditions are prevalent or where line transient noise can affect a device's operation.

Typical applications where constant voltage units are widely used: Computer Main Frame Power Supplies; Computer Peripherals — will help cut down component count in power circuits; Photo Processing; Food Processing; Chemical Proc-

essing — Spectographs and Measurement Devices; Cash Registers, Security Systems, Filament Supplies; Static Converters; DC Power Supplies; Solid-State Inverters, Test Equipment; Color TV's, Medical Monitoring Equipment, Sensitive Machine Tool Controls, etc.

ENGINEERING DATA — Specifications

CONSTANT VOLTAGE — Allows primary input swings + or — 15% nominal.

INHERENT ISOLATION — Tends to suppress spikes and line transients.

NO SOPHISTICATED FUSING/PROTECTION NEEDED.

U.L. RECOGNIZED INSULATION SYSTEM — Up to class 130, according to U.L. 1446.

EASILY CONVERTIBLE TO A REGULATED POWER SUPPLY — Simply add two (2) silicon diodes and a computer grade capacitor. (See Diagram A)

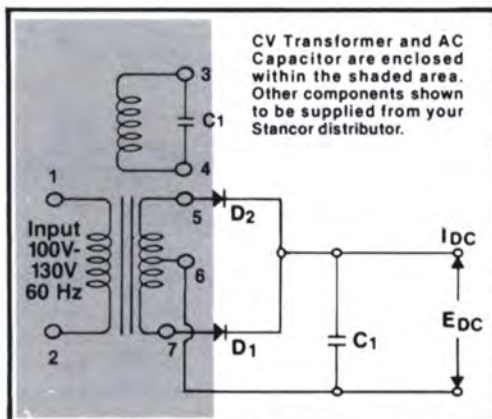


Diagram A

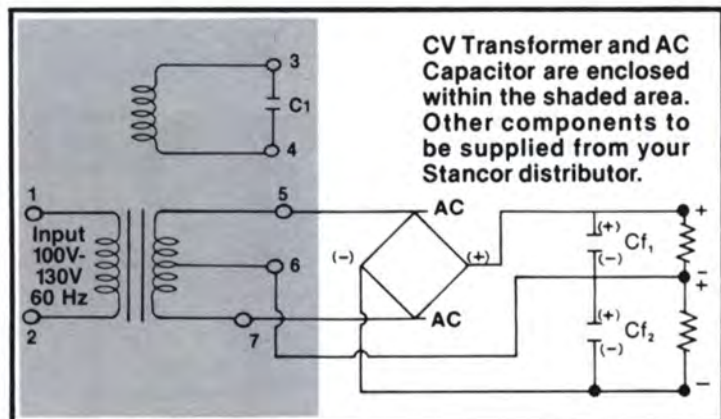


Diagram B

TYPE CV CONSTANT VOLTAGE TRANSFORMERS (Continued)

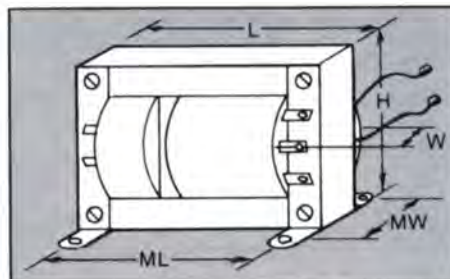
ENGINEERING DATA

SECT	STANCOR Part No.	DC Output Volts †	Output DC Amps	Load Regulation (AV)**			RMS Ripple Volts	Recommended Diodes		Filter Capacitor Cf		Size VA
				10%	25%	50%		PIV	I/CELL	KMFD	DCWV	
A	CV-560	5	12	.60	.50	.40	.25	35	20	75	10	60
	CV-5120		24	.55	.45	.35	.25	35	50	150	10	120
	CV-5240		48	.50	.40	.25	.25	35	75	300	10	240
	CV-5480		96	.40	.30	.17	.25	35	150	600	10	480
B	CV-860	8	7.5	.95	.80	.65	.4	35	15	30	10	60
	CV-8120		15	.88	.72	.55	.4	35	35	60	10	120
	CV-8240		30	.80	.65	.40	.4	35	75	120	10	240
	CV-8480		60	.64	.48	.24	.4	35	100	240	10	480
C	CV-1260	12	5	1.45	1.20	.46	.6	50	10	13	15	60
	CV-12120		10	1.32	1.08	.84	.6	50	20	26	15	120
	CV-12240		20	1.20	.96	.60	.6	50	35	52	15	240
	CV-12480		40	.96	.72	.36	.6	50	75	104	15	480
D	CV-1560	15	4	1.80	1.50	1.20	.75	50	10	8	20	60
	CV-15120		8	1.65	1.25	1.05	.75	50	20	16	20	120
	CV-15240		16	1.55	1.20	.75	.75	50	35	33	20	240
	CV-15480		32	1.2	.90	.45	.75	50	75	67	20	480
E	CV-1860	18	3.3	2.15	1.80	1.44	.9	75	10	6	20	60
	CV-18120		6.7	1.98	1.62	1.26	.9	75	20	12	20	120
	CV-18240		13.3	1.80	1.44	.90	.9	75	35	24	20	240
	CV-18480		26.6	1.44	1.08	.54	.9	75	75	48	20	480
F	CV-2460	24	2.5	2.88	2.40	1.92	1.2	100	5	3	25	60
	CV-24120		5	2.64	2.16	1.68	1.2	100	10	6	25	120
	CV-24240		10	2.40	1.92	1.20	1.2	100	20	12	25	240
	CV-24480		20	1.92	1.44	.72	1.2	100	35	24	25	480
G	CV-2860	28	2.2	3.36	2.80	2.24	1.4	100	5	2.5	30	60
	CV-28120		4.3	3.08	2.52	1.96	1.4	100	10	5	30	120
	CV-28240		8.6	2.83	2.24	1.40	1.4	100	20	10	30	240
	CV-28480		17.2	2.24	1.68	.84	1.4	100	35	20	30	480

AV — Average Voltage.

**Rise in DC Volts. If application has a complete no load condition, it may be necessary to use a Bleeder Resistor.

†Dual Complementary Outputs (e.g., ± 12V, or ± 15V) may be achieved by use of a center-tapped Bridge Rectifier. The following would change: DC current for each side would be halved, Cf — ½ value in MFD, same DCWV, D₁, D₂ — ½ PIV, ½ I/CELL (4 Diode). (See Diagram B, Page 23).



SIZE (VA)	Dimensions-Inches					Mtg. Screw	Wt. Lbs.
	L	W	H	ML	MW		
60	4 1/8	3	3 5/8	3 9/16	2	#8	4.8
120	5 1/16	3 9/16	4 7/16	4 3/8	2 1/4	#10	8.7
240	6 1/4	4 1/4	5 3/4	5 5/16	2 1/2	1/4	15.9
480	6 1/4	6	5 3/4	5 9/16	3 7/8	1/4	28.7



TYPE P-575 ENERGY- LIMITING TRANSFORMER

MANUFACTURING APPLICATIONS

Electronic Game Systems	Spa Control Systems
Computers	Intercoms
Home Environmental Systems	Telephone Systems
Pool Systems	Film Processing Equipment
Security and Alarms	Agriculture Environment
Solar Heating Controls	Controls Systems

Energy-Limiting Transformers are defined as transformers whose winding impedance is such that with the primary energized at maximum rated voltage and frequency, and the secondary short circuited, secondary current will not exceed 8 amperes after one minute.

Regulatory information on Class 2 Energy-Limiting Transformers may be found in U.L. Standard 506 and C.S.A. 22.2 #66.

ENGINEERING DATA

Ratings: 20 VA, 30 VA and 40 VA.

Primary Voltages: 120 VAC, 208/240 VAC and 240 VAC.

Secondary Voltages: 24 VAC nominal.

Frequencies: 50/60 Hz.

Construction: Paper section, channel frame, vertical and horizontal mounting.

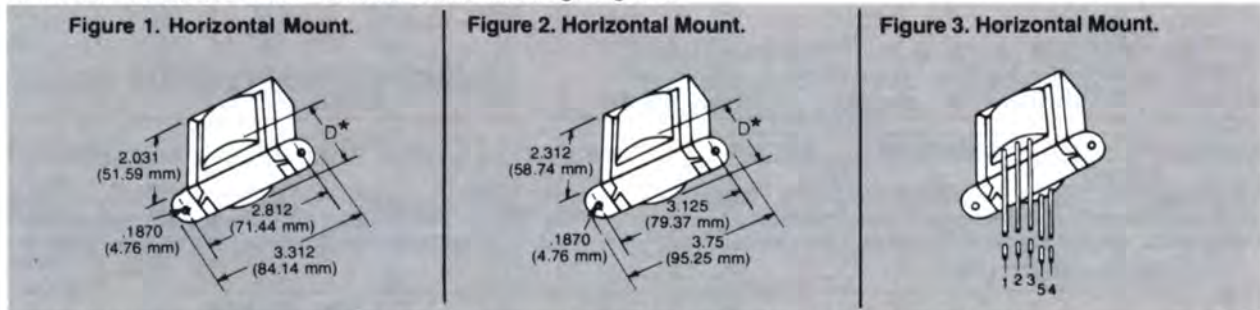
 U.L. RECOGNIZED UNIT.

GENERAL DATA

Control Transformer Matrix

S E C T	STANCOR Part No.	Volt-Amperes (VA)	Frequency (Hertz)	Mounting	Primary Input (Volts)	Physical Configuration			Wt. Lbs.
						See Figure	Dimension "D"		
							Inch	(mm)	
A	P-575-900	20	50/60	HORIZ.	120	1&3	2 1/8	54.0	1.11
	P-575-901				208/240	1&3	2 1/8	54.0	
	P-575-902				240	1&3	2 1/8	54.0	
B	P-575-916	30	50/60	HORIZ.	120	2&3	2 1/8	54.0	1.39
	P-575-917				208/240	2&3	2 1/8	54.0	
	P-575-918				240	2&3	2 1/8	54.0	
C	P-575-932	40	50/60	HORIZ.	120	2&3	2 1/4	57.2	1.54
	P-575-933				208/240	2&3	2 1/4	57.2	
	P-575-934				240	2&3	2 1/4	57.2	

OUTLINE DIMENSIONS Channel Frame Mounting Diagrams†

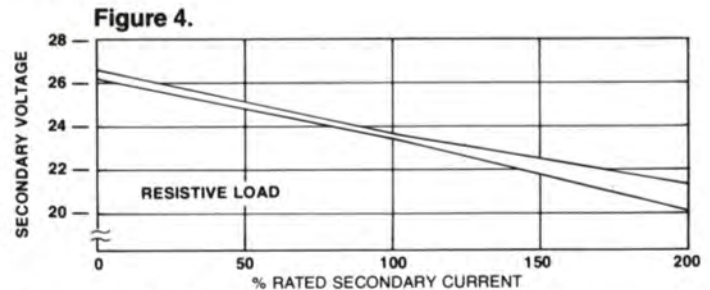


NOTES: *Indicates maximum dimension. Number in parenthesis indicates dimension in centimeters.

†All lead lengths are 8 1/2 inches (as measured from coil), stripped 5/8 ± 1/8 inch.

Lead Wire Designation Chart

LEAD NO.	PRIMARY INPUT VOLTAGE			
	120V	208/240V	240V	
1	Black	Black (common)	Black	Primary
2	Not Used	BLue (208)	Not used	
3	White	Red (240)	Black	
4	Yellow	Yellow	Yellow	Secondary 24V
5	Yellow	Yellow	Yellow	



Composite of 20, 30 and 40 VA Regulation Curves.

NOTES: Inductive loads produce slightly different voltages. Above curves subject to 2% manufacturing tolerance.

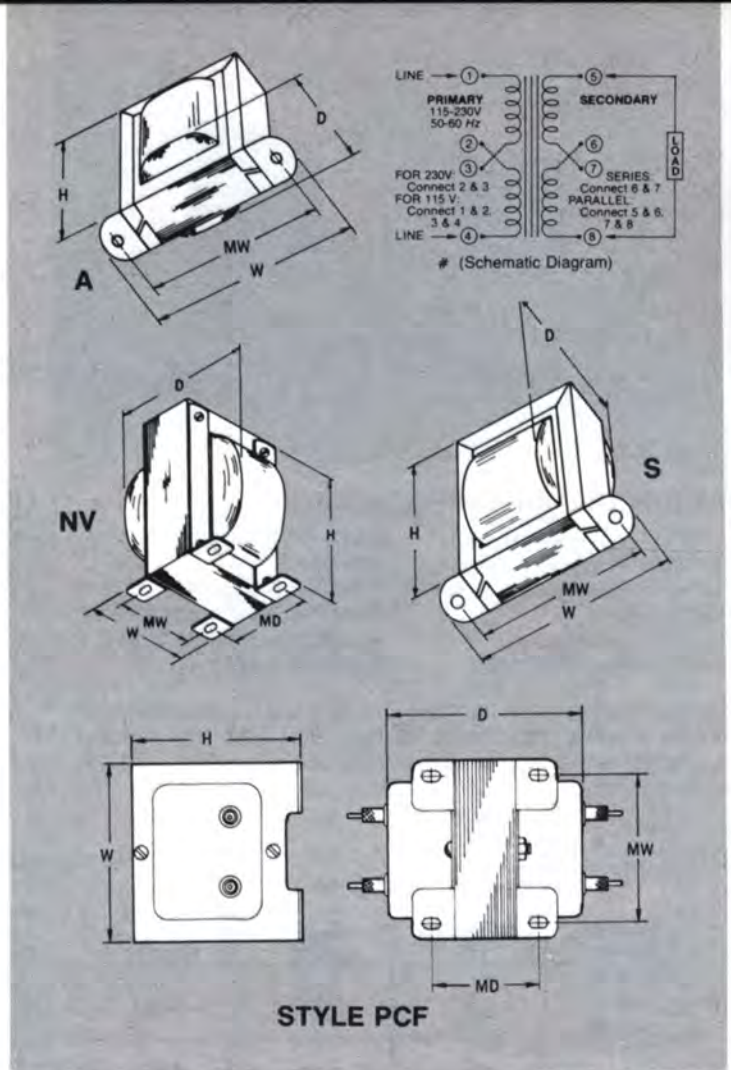
STANCOR

TRANSFORMERS

CONTROL TRANSFORMERS

MANUFACTURERS APPLICATIONS

- Electronic Music
- Door Openers
- Electrical Sign
- Recorder
- Electric Heater
- Machine Tool
- CNC Tool Control
- Lighted Display Case



STYLE PCF

POWER CIRCUIT TRANSFORMERS: PRIMARIES 50/60 Hz. — LEAD WIRE TERMINATION §

SECT	STANCOR Part No.	PRIMARY Volts	Secondary ▲			Dimensions-Inches					Wt. Lbs.
			Volts	Amps.	V-A Cap.	Case			Mounting		
						H	W	D	MW	MD	
A	PCF-2025	230	115	.25	25	2 ¹³ / ₁₆	3	3	2 ³ / ₈	1 ¹ / ₂	2
	PCF-2050	230	115	.45	50	2 ¹³ / ₁₆	3	3 ¹ / ₂	2 ³ / ₈	2	2 ³ / ₄
	PCF-24075	230/460	115	.65	75	3 ³ / ₁₆	3 ¹ / ₂	3 ⁵ / ₈	3	2 ¹ / ₄	4 ¹ / ₄
	PCF-24250	230/460	115	2.2	250	4 ⁹ / ₁₆	5 ¹ / ₄	4 ⁹ / ₁₆	4 ¹ / ₄	3	12

PRIMARIES 115/230 VOLTS 50/60 Hz. § — SOLDER LUG TERMINATION — WITH DUAL SECONDARY WINDINGS

Typical Applications: Automatic Assembly equipment, Relays, Solenoids, Small Motors, Speed Changers, Recording Devices, Pumps, Electronic Tubes, Heating Elements, Elevators, Door Openers, Auto-

matic Musical Instruments, Low Voltage Lighting Signal Lamps, Spark Plug Testers, Control Valves for Fluids and Gases, Fans and Blowers, Mechanical and Electrical Signs and similar applications.

U.L. RECOGNIZED UNIT.

SECT	STANCOR Part No.	Style	V-A Cap.	Output From Two Secondary Windings*▲			Dimensions-Inches					Wt. Lbs.
				Individually	Parallel	Series	Case			Mounting		
							H	W	D	MW	MD	
B	P-6375	S	12	6V. @ 1A.	6V. @ 2A.	12V. @ 1A.	2 ³ / ₈	2 ⁷ / ₈	1 ⁵ / ₈	2 ³ / ₈	—	1.0
	P-6376	S	24	6V. @ 2A.	6V. @ 4A.	12V. @ 2A.	2 ³ / ₄	3 ¹ / ₈	1 ⁷ / ₈	2 ¹³ / ₁₆	—	1.5
C	P-6377	S	48	12V. @ 2A.	12V. @ 4A.	24V. @ 2A.	3 ¹ / ₈	3 ⁵ / ₈	2 ¹ / ₄	3 ¹ / ₈	—	2.5
	P-6378	NV	96	12V. @ 4A.	12V. @ 8A.	24V. @ 4A.	3 ⁷ / ₁₆	2 ¹³ / ₁₆	2 ⁷ / ₈	2 ¹ / ₄	2 ¹ / ₄	4.2
	P-6379	NV	192	12V. @ 8A.	12V. @ 16A.	24V. @ 8A.	4 ³ / ₁₆	3 ⁷ / ₁₆	3 ³ / ₈	2 ³ / ₄	3	8.0
D	P-8615	S	12	24V. @ 0.25A.	24V. @ 0.5A.	48V. @ 0.25A.	2 ³ / ₈	2 ⁷ / ₈	1 ⁵ / ₈	2 ³ / ₈	—	1.0
	P-8616	S	24	24V. @ 0.5A.	24V. @ 1A.	48V. @ 0.5A.	2 ³ / ₄	3 ¹ / ₈	1 ⁷ / ₈	2 ¹³ / ₁₆	—	1.5
	P-8617	S	48	24V. @ 1A.	24V. @ 2A.	48V. @ 1A.	3 ¹ / ₈	3 ⁵ / ₈	2 ¹ / ₄	3 ¹ / ₈	—	2.5
	P-8618	NV	96	24V. @ 2A.	24V. @ 4A.	48V. @ 2A.	3 ⁷ / ₁₆	2 ¹³ / ₁₆	2 ¹⁵ / ₁₆	2 ¹ / ₄	2 ¹ / ₄	4.2
	P-8619	NV	192	24V. @ 4A.	24V. @ 8A.	48V. @ 4A.	4 ³ / ₁₆	3 ⁷ / ₁₆	3 ³ / ₈	2 ³ / ₄	3	8.0

* By connecting primaries in series (for 230 Volts) but using only 115 Volts input, a series of half voltage output ratings becomes available at the full rated current from each secondary.

▲ R.M.S. values.

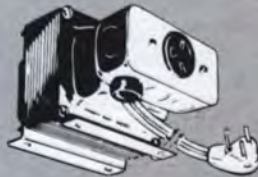
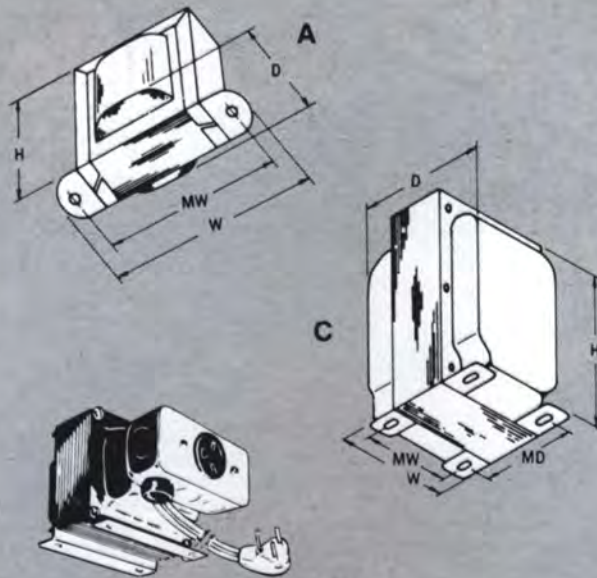
(Refer to Schematic Diagram above.)

§ May be operated from a 400 Hz. source with no change in output ratings.

STANCOR

TRANSFORMERS

AUTO TRANSFORMERS



PSU

STEP-DOWN AUTO-TRANSFORMERS: (Three Conductor Line Cord and Receptacle)

230/115 VOLTS, 50/60 Hz. § CASE AND CORE INTERNALLY CONNECTED TO THIRD CONDUCTOR OF NEMA STANDARD CORD AND RECEPTACLE FOR SAFETY

SECT	STANCOR Part No.	Input Voltage	Output Voltage	V-A Cap.	RMS Test Voltage	Style	Dimensions-Inches					Wt. Lbs.
							Case			Mounting		
							H	W	D	MW	MD	
A	GSD-75	230	115	75	1500	C	3 7/8	3 3/16	2 3/4	2 1/2	1 1/2	3.0
	GSD-100	230	115	100	1500	C	3 7/8	3 3/16	3	2 1/2	1 3/4	3.7
	GSD-150	230	115	150	1500	C	3 7/8	3 3/16	3 1/4	2 1/2	2	4.4
	GSD-250	230	115	250	1500	C	3 7/8	3 3/16	3 5/8	2 1/2	2 3/8	5.8
	GSD-300	230	115	300	1500	C	3 7/8	3 3/16	3 5/8	2 1/2	2 3/8	5.8
	GSD-350	230	115	350	1500	C	3 7/8	3 3/16	4 1/16	2 1/2	3	7.3
	GSD-500	230	115	500	1500	C	4 5/8	3 13/16	4 7/16	3	3 3/8	10.6
	GSD-750	230	115	750	1500	C	4 5/8	3 13/16	5 3/16	3	4 1/8	14.4
	GSD-1000	230	115	1000	1500	C	4 5/8	3 13/16	6	3	5	17.0
	GSD-1500	230	115	1500	1500	C	5 1/2	4 5/8	6	3 1/2	4 3/8	20.0

STEP-DOWN AUTO-TRANSFORMERS:

PRIMARIES 230 VOLTS 50/60 Hz., LINE CORD & PLUG § SECONDARIES 115 VOLTS, STANDARD FEMALE RECEPTACLE, EXCEPT †

SECT	STANCOR Part No.	Input Voltage	Output Voltage	V-A Cap.	RMS Test Voltage	Style	Dimensions-Inches					Wt. Lbs.
							Case			Mounting		
							H	W	D	MW	MD	
B	P-6287	230	115	40	1500	C	3 1/2	2 5/8	2 1/2	2	1 1/2	2.2
	P-8620 †	230	115	50	1500	A	2 5/16	3 11/16	1 7/8	3 1/8	—	1.5
	P-8630	230	115	85	1500	C	3 1/2	2 5/8	2 3/4	2	1 3/4	2.5
	P-8631	230	115	125	1500	C	3 1/2	2 5/8	3	2	2	3.0
	P-8632	230	115	200	1500	C	3 7/8	3 1/8	3 3/4	2 1/2	2	4.2
	P-8633	230	115	200	1500	C	3 7/8	3 1/8	3 3/4	2 1/2	2	4.2
	P-8634	230	115	400	1500	C	3 7/8	3 1/8	4 3/4	2 1/2	3	7.0

STEP-UP AUTO-TRANSFORMERS:

PRIMARIES 115 VOLTS 50/60 Hz., LINE CORD & PLUG § SECONDARIES 230 VOLTS, STANDARD FEMALE RECEPTACLES

C	P-8637	115	230	85	1500	C	3 1/2	2 5/8	2 3/4	2	1 3/4	2.5
	P-8638	115	230	125	1500	C	3 1/2	2 5/8	3	2	2	3.0
	P-8639	115	230	300	1500	C	3 7/8	3 1/8	3 7/8	2 1/2	2 3/8	5.2
	P-8640	115	230	500	1500	C	4 9/16	3 3/4	4 3/4	3	3 5/16	10.3
	✓ P-8689	115	230	1000	1500	C	5 3/8	4 1/2	5 1/2	3 1/2	4 1/2	17.4

STEP-UP—STEP DOWN AUTO-TRANSFORMERS:

208/230 VOLTS OR 230/208 VOLTS 60 Hz. Ⓜ Y MEANS OF CONNECTION CHANGE INSIDE OUTLET BOX

D	PSU-3000	208/230	230/208	3000	1750	PSU	4	4 1/2	6	3 3/4	2 5/16	10.0
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§May be operated from a 400 Hz. source with no change in output ratings. †Has Leadwires. ✓ New Item.

STANCOR

TRANSFORMERS

ISOLATION/ AUTO TRANSFORMERS



GISD, GSD SERIES

Available in sizes to handle continuous duty power requirements from 75 VA. to 1.5 KVA., 230 volts 50/60 Hz. to 115 volts, single phase. All units built in type "C" mounting style semi-shielded construction. Case and core are connected internally to third wire in line cord and output receptacle, to comply with modern safety standards.

STRAIGHT ISOLATION: (Three Conductor Line Cord and Receptacle)

115/115 VOLTS, 50/60 HZ. § CASE AND CORE AND ELECTROSTATIC SHIELD INTERNALLY CONNECTED TO THIRD CONDUCTOR OF NEMA STANDARD CORD AND RECEPTACLE FOR SAFETY

S E C T	STANCOR Part No.	Input Voltage	Output Voltage	V-A Cap.	RMS Test Voltage	Style	Dimensions-Inches					Wt. Lbs.
							Case			Mounting		
							H	W	D	MW	MD	
A	GIS-100	115	115	100	1500	C	3½	2¼	3¼	2¼	2¼	4.5
	GIS-150	115	115	150	1500	C	3¾	3¼	4¾	2½	2½	7.0
	GIS-250	115	115	250	1500	C	4½	3¼	4¾	3	3¾	9.3
	GIS-500	115	115	500	1500	C	4½	3¾	6	3	4¾	16.5
	GIS-1000	115	115	1000	1500	C	5½	4¾	8½	3½	6½	31.5

STEP-DOWN ISOLATION: (Three Conductor Line Cord and Receptacle)

230/115 VOLTS, 50/60 HZ. § CASE AND CORE AND ELECTROSTATIC SHIELD INTERNALLY CONNECTED TO THIRD CONDUCTOR OF NEMA STANDARD CORD AND RECEPTACLE FOR SAFETY

B	GISD-100	230	115	100	1500	C	3½	2¼	3¼	2¼	2¼	4.5
	GISD-150	230	115	150	1500	C	3¾	3¼	4¾	2½	2½	7.0
	GISD-250	230	115	250	1500	C	4½	3¼	4¼	3	3¾	9.0
	GISD-500	230	115	500	1500	C	4½	3¾	6	3	4¾	16.0
	GISD-1000	230	115	1000	1500	C	5½	4¾	8½	3½	6½	31.0

STRAIGHT ISOLATION: ELECTROSTATIC SHIELDS GRNDED. TO CORE:

**PRIMARYS 50/60 Hz. Line Cord §
SECONDARY FEMALE RECEPTACLE, EXCEPT P-8622,
P-6411, P-6412 & P-6413 LEAD TERMINATION**

C	P-6413	115	115	.6	1500	A	1¼	2½	1¼	1¼	—	0.25
	P-6411	115	115	15	1500	A	2	3¼	1¾	2¼	—	1.0
	P-6412	115	115	35	1500	A	2¾	3¾	2	3¾	—	1.7
	P-6410	115	115	50	1500	C	3½	2¼	3¾	2¼	1¾	3.7
D	P-6160	105/115/125#	115	100	1500	C	4½	3¾	3¾	3	2¾	7.0
	P-8622	115†	115/230‡	150	1500	C	3¾	3¾	4	2½	2¾	6.2
	P-6161	105/115/125#	115	250	1500	C	4½	3¾	5½	3	4¾	14.2
	P-6298	105/115/125#	115	500	1500	C	7¾	5¾	7¼	4¾	4¼	28.0

STEP-DOWN ISOLATION: ELECTROSTATIC SHIELDS GRNDED. TO CORE:

**PRIMARYS 50/60 Hz., LINE CORD §
SECONDARY FEMALE RECEPTACLE, EXCEPT ‡**

E	P-6406‡	115/230* †	115	50	1500	A	2¾	3¾	2¾	3¾	—	1.8
	P-6383	210/230/250#	115	100	1500	C	4½	3¾	3¾	3	2¾	7.3
	P-6385	210/230/250#	115	250	1500	C	4½	3¾	5½	3	4¾	14.2
	P-6387	210/230/250#	115	500	1500	FS	7¾	5¾	7½	4¾	4¼	29.5
	P-6389	210/230/250▲	115	1000	1500	FS	7¾	5¾	7¾	4¾	5	34.0
	P-6390	210/230/250▲	115	1500	1500	FS	7¾	5¾	9¼	4¾	6½	50.0

ISOLATION TESTING TRANSFORMERS: ELECTROSTATIC SHIELDS GRNDED. TO CORE:

**PRIMARYS 50/60 Hz., LINE CORD
SECONDARY THREE FEMALE RECEPTACLES §**

F	P-6415	117	105/115/125	350	1500	C	5½	4¾	5¾	3½	4¼	17.0
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§May be operated from a 400 Hz. source with no change in output ratings. ▲Has primary terminals. # Has switch. ‡ Has Leadwires

*Primary is two separate 115 volt windings. † Has Electrostatic Shield on separate leadwire (not grounded). ‡ Secondary is two separate 115 volt windings.

STANCOR PRODUCTS • 131 GODFREY ST. • LOGANSPOET, IN 46947 • PHONE 219/722-2244 • TWX 810-295-0699

WHY & WHERE AUTO TRANSFORMERS & ISOLATION TRANSFORMERS ARE USED

AUTO TRANSFORMERS

Stancor stock Auto Transformers are normally connected for either step-down or step-up applications involving line voltages of 115 or 230 Volts, 50-60 Hertz. Where it is not necessary to have isolation between the primary and secondary circuits, and a direct connection between them is permissible, the Auto Transformer offers the advantages of smaller size and less weight plus lower cost.

This type of unit is generally used in applications involving American appliances used abroad where our standard 115 Volt equipment must operate from a 230 Volt source. It is also used for foreign appliances designed for 230 Volt operation, which are to be used on our 115 Volt circuits. Our catalog items are designed for continuous rated output on either 50 or 60 Hertz. It is important to bear in mind that the Auto Transformer or Isolation type changes only the voltage levels and does not change the frequency from 50 to 60 Hertz or vice versa. In appliances using synchronous motors, such as clocks or phonograph record changers and players, the speed will be different when using them on a frequency which differs from the frequency they were originally designed for. In these cases the manufacturer of the appliance should be consulted to obtain the proper motor.

The V-A rating is equivalent to a Wattage rating where a resistive load and/or unity power factor exists. When inductive loads such as motors are used (as in a motor driven appliance) the power factor is not unity and to be accurate the output is

expressed in V-A, which is the product of the output voltage and the output current (R.M.S.)

When selecting one of these items for use with an appliance which includes a motor, allowance should be made for the starting current of the motor which is somewhat higher than the running current. This information is generally available from the appliance manufacturer. Information pertaining to the AC Wattage or current required by an appliance is generally marked on the item by the manufacturer and should be observed. It is much better to buy a transformer with a larger V.A. rating than you will actually need because of larger motor starting currents and variations in the line voltage and/or frequency in some locations, which could cause overheating.

When using Auto Transformers of the two-conductor termination type it is necessary that the power line polarity be observed since one side of the 115 Volt circuit is normally at ground potential. Use of polarized plugs and receptacles is an aid in observing proper polarity. The case of the transformer is not connected to any part of the electrical winding for two conductor terminations but it is a good safety precaution to ground the case, if possible. Where there are three-conductor termination plugs and receptacles the third or grounding conductor is connected to the case internally and therefore the case is automatically connected to the conduit or ground system of the electrical power line wiring.

ISOLATION TRANSFORMERS

Isolation Transformers are used where a direct connection between primary and secondary circuits is not desired and the circuits must be isolated. This results in a larger, heavier and more costly item for a given power rating. However, in addition to the isolating advantages an electrostatic shield is generally added to minimize capacitive coupling between primary and secondary circuits. This helps to minimize the transfer of unwanted power line transients and interference from other sources connected to the power line by capacitive coupling to the secondary circuit. The standard insulation test voltage rating between windings and between each winding and the

core is 1,500 Volts R.M.S. This is normally sufficient for 115 and 230 Volt operation.

The V-A rating should be selected for each specific application, with allowance for any abnormal load or environmental conditions. All catalog items have an operating temperature limit of 105 Degrees C. (Designed for a 65 Degrees C. maximum temperature rise above a maximum ambient temperature of 40 Degrees C., with unrestricted free air ventilation.) V-A output ratings are for continuous operation from the specified input voltage and frequency.

GENERAL INFORMATION

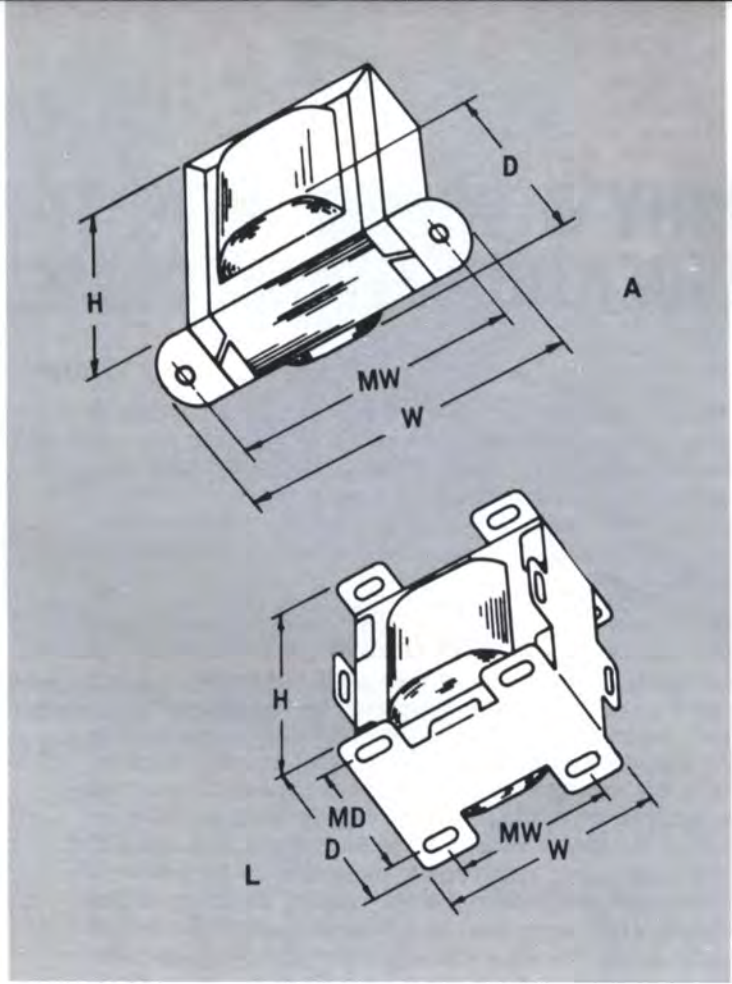
All of these items have Class "A" insulation and are rated to have a maximum operating temperature limit of 105 Degrees C. These units may be used with rectifiers but the form factor as explained elsewhere in this catalog should be observed for various combinations of rectifier circuits and types of load following the rectifier.

These items are made with our standard N.E.M.A. plugs and receptacles, primarily for use in this country. However, when used overseas where different types of plugs are necessary an adaptor can be used or our plug can be removed and a foreign plug attached to the end of the line cord.

STANCOR

TRANSFORMERS

FILTER CHOKES

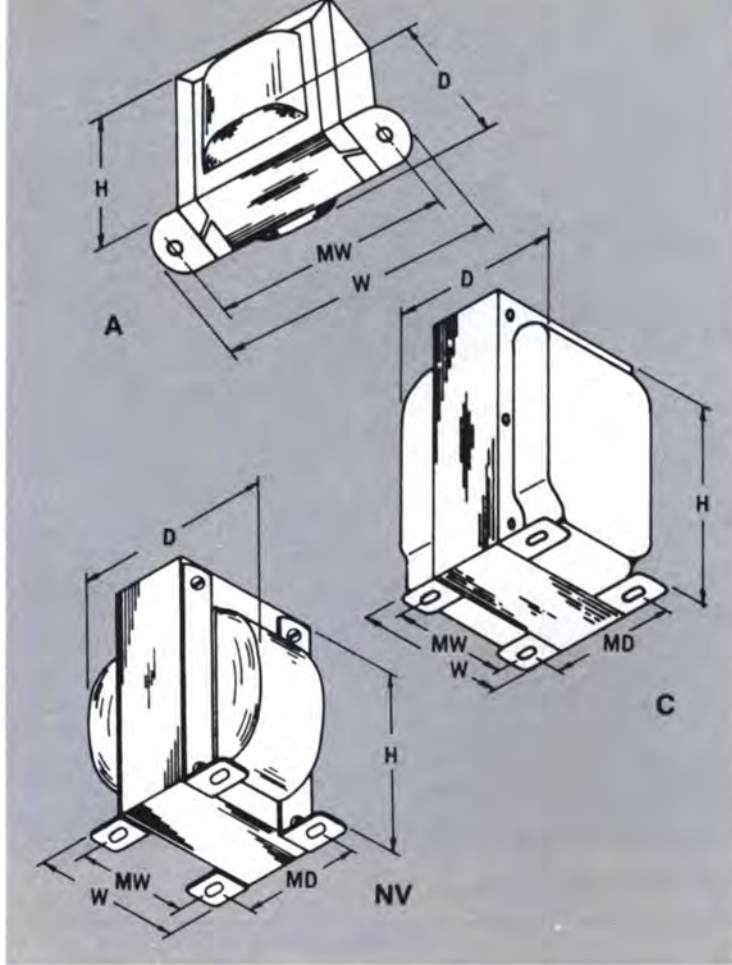


SMOOTHING CHOKES: INDUCTANCE TOLERANCE — MINUS 15% PLUS 50% AT 10 VOLTS 60 Hz.

S E C T	STANCOR Part No.	Style	Inductance Henries	DCMA	DC Res. Ohms	Insul. Test RMS Volts *	Termi- nation	Dimensions - Inches					Wt. Lbs.
								Case			Mounting		
								H	W	D	MW	MD	
A	C-2345	A	350	5	5600	2500	Leads	2	3¼	1¾	2 ¹³ / ₁₆	—	1.0
	C-2344	A	1.5	10	85	2500	Leads	1¼	2½	1½	1¾	—	0.4
	C-2707	A	2.0	15	70	1500	Leads	1¼	2½	1½	1¾	—	0.4
	C-1515	A	20.0	15	900	1500	Leads	1½	2¾	1¾	2¾	—	0.7
	C-2346	A	35	15	1800	1500	Leads	1¾	2¾	1¾	2	—	0.5
	C-2318	A	12.0	30	400	2000	Leads	1¾	2¾	1¾	2	—	0.5
B	C-1080	A	3.5	50	200	1500	Leads	1½	2¾	1¾	2¾	—	0.7
	C-1706	A	4.5	50	300	1500	Leads	1¾	2¾	1¼	2	—	0.5
	C-1325	A	5.0	50	250	1500	Leads	1½	2¾	1¼	2¾	—	0.7
	C-1707	A	7.0	50	550	1500	Leads	1¾	2¾	1¼	2	—	0.5
	C-1333	A	8.0	50	450	1500	Leads	1½	2¾	1¾	2¾	—	0.7
	C-1279	A	8.5	50	400	1500	Leads	1½	2¾	1¾	2¾	—	0.7
	C-1215	A	9.0	50	500	1500	Leads	1½	2¾	1¾	2¾	—	0.7
	C-1003	A	16.0	50	580	1500	Leads	2	3¼	1¾	2 ¹³ / ₁₆	—	1.0
C	C-1355	L	8.0	75	290	1500	Lugs	2	2	2¾	1 ³ / ₁₆	1½	1.0
	C-1002	A	15.0	75	400	1500	Leads	2¾	3¼	2	3½	—	1.7

* Insulation Test Voltage: Twice Allowable RMS Working Voltage plus 1000 Volts.

FILTER CHOKES



SMOOTHING CHOKES: INDUCTANCE TOLERANCE — MINUS 15% PLUS 50% AT 10 VOLTS 60 Hz. (Cont'd)

SECT	STANCOR Part No.	Style	Inductance Henries	DCMA	D.C. Res. Ohms	Insul. Test RMS Volts*	Termination	Dimensions - Inches					Wt. Lbs.
								Case			Mounting		
								H	W	D	MW	MD	
A	C-1709	A	8.0	85	250	1500	Leads	2	3¼	1⅞	2 ¹³ / ₁₆	—	1.4
	C-1001	A	10.5	110	225	3000	Leads	2⅝	4	2⅞	3 ⁹ / ₁₆	—	2.3
B	C-2303	A	2.5	130	100	2000	Leads	2	3¼	1⅝	2 ¹³ / ₁₆	—	1.0
	C-2304	A	2.3	150	60	1500	Leads	2	3¼	1¾	2 ¹³ / ₁₆	—	1.0
	C-1710	A	7.0	150	200	1500	Leads	2⅝	4	2	3 ⁹ / ₁₆	—	2.2
C	C-2327	A	1.5	200	85	1500	Leads	1⅝	2⅞	1½	2⅝	—	0.7
	C-2325	A	2.0	200	60	1500	Leads	2⅝	3¾	1⅞	3⅞	—	1.8
	C-1721	NV	8.5	200	120	3000	Leads	3 ⁷ / ₁₆	2 ¹³ / ₁₆	2⅝	2¼	2½	4.4
D	C-2717	A	4.0	250	100	2500	Leads	2⅝	4	2⅞	3 ⁹ / ₁₆	—	2.4
	C-1412	C	4.0	250	60	3000	Leads	3½	2 ¹³ / ₁₆	3⅝	2¼	2⅝	4.3
	C-2343	A	0.75	300	32	1500	Leads	1⅝	2⅞	1⅝	2⅝	—	0.7
	C-2334	A	2.8	300	60	1500	Leads	2⅝	4	2⅞	3 ⁹ / ₁₆	—	2.5
E	C-1722	NV	8.0	300	80	3000	Leads	4 ⁹ / ₁₆	3¾	3	3	2½	7.3
	C-2347	A	1.0	350	40	1500	Leads	2	3¼	1¾	2 ¹³ / ₁₆	—	1.0
	C-2328	A	0.8	375	25	1500	Leads	2⅝	3¾	1⅞	3⅞	—	1.5
	C-2709	A	2.0	400	40	2500	Leads	2⅝	4	2⅞	3 ⁹ / ₁₆	—	2.3
	C-2708	A	0.32	600	10	1500	Leads	2	3¼	1¾	2 ¹³ / ₁₆	—	1.3

*Insulation Test Voltage: Twice Allowable RMS Working Voltage plus 1000 Volts.

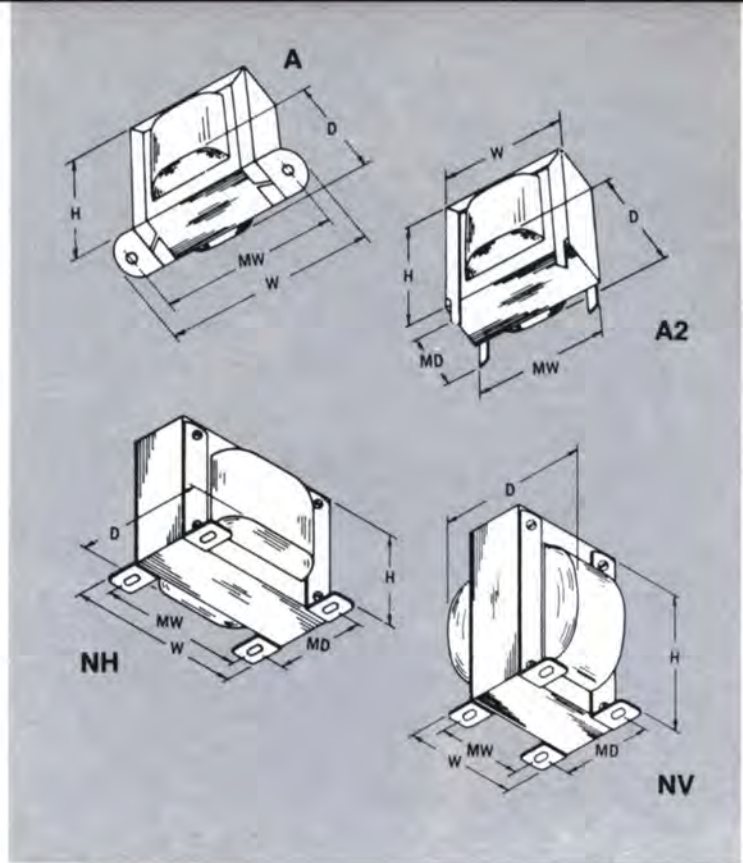
The Stancor line of "Smoothing" and "Swinging" types of Filter Chokes has been designed for use with the various Power and Plate Transformers listed in this catalog. The range of electrical ratings available covers requirements for practically all of the Filter Chokes used in Home Radio and Television Receivers, Audio Amplifiers and low power Radio Transmitters. In addition, a myriad of other electronic apparatus applications for these items exists.

Inductance values shown are measured at the full amount of D.C. listed and at the specified values of RMS Voltage and Frequency. All of these items are made with Class "A" insulating materials and will withstand operation up to a limit of 105°C., continuously.

STANCOR

TRANSFORMERS

FILTER CHOKES



HIGH CURRENT CHOKES: INDUCTANCE MEASURED AT 1 VOLT 60 Hz.

SECT	STANCOR Part No.	Style	Inductance Millihenries	DC Amps	DC Res. Ohms	Insul. Test* RMS Volts	Termination	Dimensions - Inches					Wt. Lbs.
								Case			Mounting		
								H	W	D	MW	MD	
A	TC-1	A2	3.0	1.0	.25	1000	Leads	1 ³ / ₁₆	1 ¹ / ₂	1 ¹ / ₈	1 ³ / ₁₆	7 ⁷ / ₁₆	0.3
	TC-2	A2	11.0	1.0	.75	1000	Leads	1 ³ / ₁₆	1 ¹ / ₂	1 ¹ / ₈	1 ³ / ₁₆	7 ⁷ / ₁₆	0.3
B	C-2690	NV	300 or 75	1.0 2.0	3.0 .75	1500	Leads	3 ⁷ / ₁₆	2 ¹³ / ₁₆	3	2 ¹ / ₄	2 ⁵ / ₈	5.0
	C-2685	NH	35	2.0	.75	1500	Leads	2 ⁵ / ₁₆	2 ⁵ / ₈	2 ¹ / ₈ ¹	2 ³ / ₁₆	2	1.9
	C-2691	NV	80 or 20	2.5 5.0	.60 .15	1500	Leads	3 ¹³ / ₁₆	3 ³ / ₈	3 ¹ / ₂	2 ¹ / ₂	3	7.0
	C-2686	NH	25	4.0	.425	1500	Leads	2 ⁷ / ₈	3 ³ / ₈	2 ⁵ / ₈	2 ¹³ / ₁₆	2 ¹ / ₈	3.4
	C-2687	NH	10	8.0	.15	1500	Leads	3 ³ / ₁₆	3 ³ / ₄	3 ²	3 ¹ / ₈	2 ¹ / ₂	5.3
	C-2688	NH	10	12.5	.11	1500	Leads	3 ¹ / ₂	4 ¹ / ₈	3 ¹ / ₈ ²	3 ⁷ / ₁₆	2 ³ / ₈	5.9
	C-2689	NH	5	22.5	.03	1500	Leads	3 ¹³ / ₁₆	4 ¹ / ₂	4 ³ / ₈	3 ³ / ₄	3 ¹ / ₂	11.9
	C-2692	NV	24 or 6	20 40	.12 .029	1500	Self Leads	5 ¹ / ₄	4 ⁷ / ₁₆	5 ¹ / ₄	3 ¹ / ₂	4 ¹ / ₄	21.2

¹ Mounting foot depth — 2¹/₁₆" O.A. ² Mounting foot depth — 3⁷/₁₆" O.A.

MINIATURIZED HIGH CURRENT CHOKES: INDUCTANCE MEASURED AT 1 VOLT 60 Hz.

SECT	STANCOR Part No.	Style	Inductance Millihenries	DC Amps	DC Res. Ohms	Insul. Test* RMS Volts	Termination	Dimensions - Inches					Wt. Lbs.
								Case			Mounting		
								H	W	D	MW	MD	
C	C-2722	A	400	.135	31	1500	Leads	1 ¹ / ₄	2 ¹ / ₈	1 ¹ / ₈	1 ³ / ₄	—	0.25
	C-2724	A	250	.275	16	1500	Leads	1 ⁷ / ₁₆	2 ³ / ₈	1 ¹ / ₄	2	—	0.35
	C-2728	A	75	1.000	2.5	1500	Leads	2	3 ¹ / ₄	1 ¹¹ / ₁₆	2 ¹³ / ₁₆	—	1.00

* Insulation Test Voltage: Twice Allowable RMS Working Voltage plus 1000 Volts.

The above listed "HIGH CURRENT CHOKES" are normally used in low voltage, high current D.C. power supply filter applications, where low voltage drop across the filter and good voltage regulation is required, without any type of voltage regulator.

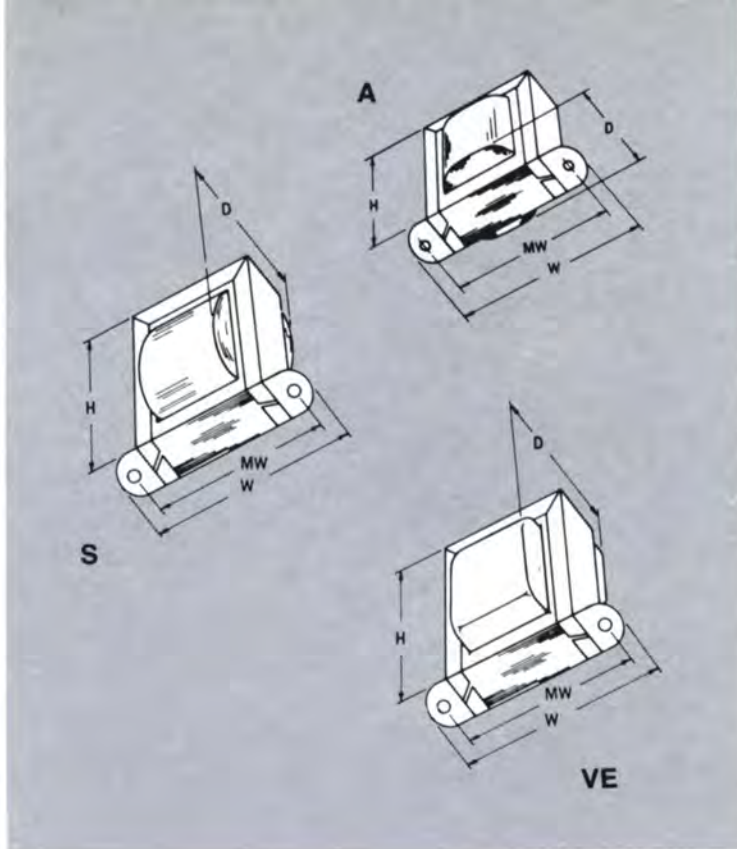
The "MINIATURIZED HIGH CURRENT CHOKES" are primarily for use with the "Miniaturized Control/Rectifier Trans-

formers" listed elsewhere in this catalog. When used in small D.C. power supplies with these transformers, a combination of small physical size and adequate voltage regulation for many applications is possible, without a solid state voltage regulator.

These chokes are made with Class "A" insulating materials and may be operated up to a maximum limit of 105°C., continuously.

POWER TRANSFORMERS

PLATE AND FILAMENT TYPE



Stancor's broad line of commercial grade power transformers offers a choice of standard mounting styles. Listings are in ascending order of plate-supply voltage for ease of selection.

All units are designed and built to meet the exacting requirements for EIA for electrical tolerances, dielectric strength, temperature rise and construction. All are insulated with class A materials (105°C max. operating temperature). Transformers designed for full-wave C.T. rectification with capacitor input

filter may be used with choke input filter allowing an increase in D.C. current of 30%.

Transformers designed for full-wave C.T. rectification with choke input filter may be used with capacitor input filter requiring a decrease in D.C. current of 25%.

CONSULT FACTORY for detailed information concerning electrical rating and/or mechanical characteristics.

FOR CAPACITOR INPUT SYSTEMS: PRIMARIES 117 VOLTS 60 Hz. §

S E C T	STANCOR Part No.	Style	Plate Winding		Other Windings		Termination		Dimensions-Inches					Wt. Lbs.
			A.C. Volts	DCMA	Volts	Amps.	Pri.	Sec.	Case			Mounting		
									H	W	D	MW	MD	
A	PS-8415	S	125¶	15	6.3	.6	Leads	Leads	1 ¹⁵ / ₁₆	2 ³ / ₈	1 ¹¹ / ₁₆	2	—	.7
	P-8624	S	125¶	15	12.6	.3	Leads	Leads	1 ¹⁵ / ₁₆	2 ³ / ₈	1 ¹¹ / ₁₆	2	—	.7
B	PS-8416	S	125-0-125	25	6.3	1.0	Leads	Leads	2 ⁵ / ₁₆	2 ¹³ / ₁₆	1 ³ / ₄	2 ³ / ₈	—	1.0
	P-8625	S	125-0-125	25	12.6	.6	Leads	Leads	2 ⁵ / ₁₆	2 ¹³ / ₁₆	1 ³ / ₄	2 ³ / ₈	—	1.0
C	PA-8421	A	125¶	50	6.3	2.0	Leads	Leads	2 ¹ / ₄	3 ¹¹ / ₁₆	2 ¹ / ₈	3 ¹ / ₈	—	1.5
	P-8626	A	125¶	50	12.6	1.0	Leads	Leads	2 ¹ / ₄	3 ¹¹ / ₁₆	2 ¹ / ₈	3 ¹ / ₈	—	1.5
D	P-8181	VE	150¶	25	6.3C.T.	.5	Leads	Leads	1 ¹⁵ / ₁₆	2 ³ / ₈	1 ¹³ / ₁₆	2	—	.8
	P-8627	VE	150¶	25	12.6C.T.	.3	Leads	Leads	1 ¹⁵ / ₁₆	2 ³ / ₈	1 ¹³ / ₁₆	2	—	.8

¶ For use in Half-Wave Circuits.

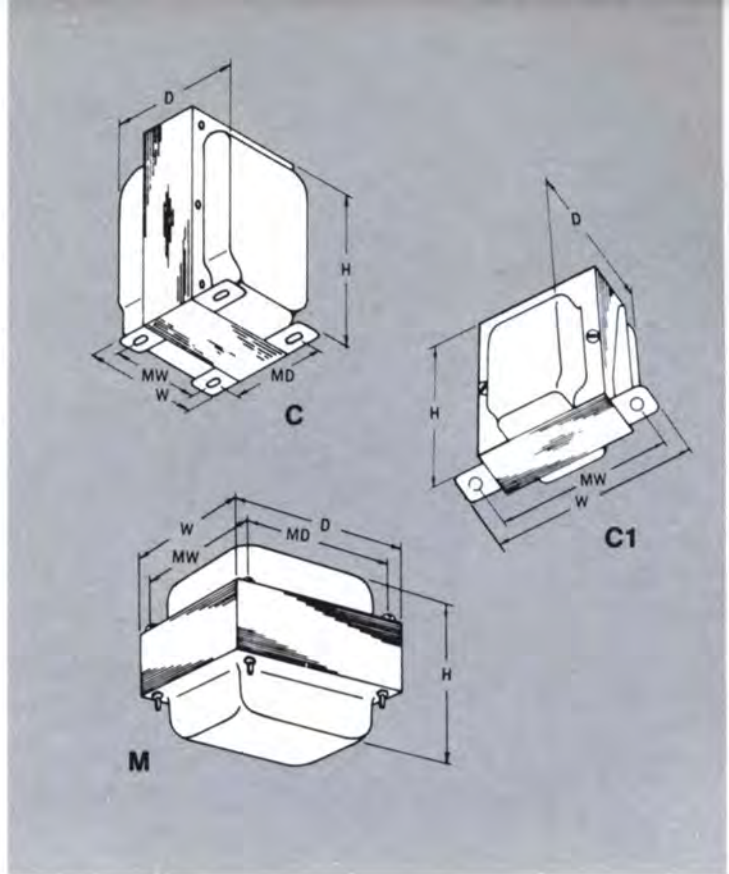
§ May be operated from a 400 Hz. source with no change in output ratings. ALL SECONDARY A.C. VOLTAGES ±3%.

STANCOR

TRANSFORMERS

POWER TRANSFORMERS

PLATE AND FILAMENT TYPE



FOR CAPACITOR INPUT SYSTEMS: PRIMARIES 117 VOLTS 60 Hz. § (Cont'd)

S E C T	STANCOR Part No.	Style	Plate Winding		Rectifier Fila.		Other Windings		Termination		Dimensions-Inches					Wt. Lbs.
			A.C. Volts	DCMA	Volts	Amps.	Volts	Amps.	Pri.	Sec.	Case			Mounting		
											H	W	D	MW	MD	
A	P-8359	C	190-160-C- 160-190	70			6.3C.T. 6.3	3.0 .6	Leads	Leads	3½	2½	2½	2	1⅞	2.8
B	P-8383	C	200-0-200	110			6.3 6.3C.T.	2.0 4.0	Leads	Leads	3½	2½	¾	2	2¼	3.0
C	PC-8417	C	220-0-220	50			6.3 25.2	.6 .5	Leads	Leads	3½	2½	2½	2	1⅞	2.2
D	PC-8418	C	230-0-230	50			6.3	2.5	Leads	Leads	3½	2½	2½	2	1⅞	2.2
	PM-8418	M	230-0-230	50			6.3	2.5	Leads	Leads	2½	2½	3	2	2½	2.2
E	PC-8401	C	235-0-235	40	5.0	2.0	6.3C.T.	2.0	Leads	Leads	3½	2½	2½	2	1⅞	2.2
F	PC-8402	C	240-0-240	55	5.0	2.0	6.3C.T.	2.0	Leads	Leads	3½	2½	¾	2	1¾	2.4
	PC-8419	C	240-0-240	70			6.3	3.0	Leads	Leads	3½	2½	2½	2	1⅞	2.6
	PM-8419	M	240-0-240	70			6.3	3.0	Leads	Leads	2⅞	2½	3	2	2½	2.6
G	P-8173	C1	250-0-250	10			6.3 6.3	.6 1.2	Leads	Leads	2¼	2⅞	2¼	2⅞	—	1.0
	P-8174	C1	250-0-250	20			6.3 6.3	.6 1.2	Leads	Leads	2⅞	3⅞	2¼	2⅞	—	1.5
	PC-8403	C	250-0-250	70	5.0	2.0	6.3C.T.	2.5	Leads	Leads	3½	2½	3½	2	2⅞	3.2
H	PC-8404	C	260-0-260	90	5.0	2.0	6.3C.T.	3.0	Leads	Leads	3½	2⅞	3½	2¼	2¼	4.0
	PC-8420	C	260-0-260	90			6.3	4.0	Leads	Leads	3½	2⅞	¾	2¼	2	3.5
	PM-8420	M	260-0-260	90			6.3	4.0	Leads	Leads	3½	2⅞	¾	2¼	2⅞	3.5

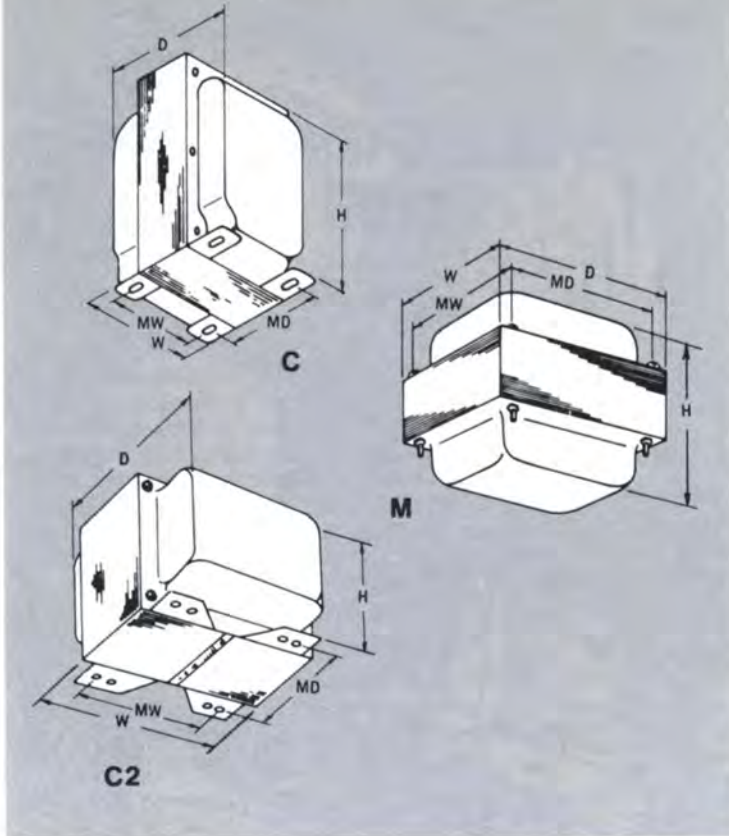
§May be operated from a 400 Hz. source with no change in output ratings. ALL SECONDARY A.C. voltages ± 3%.

STANCOR

TRANSFORMERS

POWER TRANSFORMERS

PLATE AND FILAMENT TYPE



FOR CAPACITOR INPUT SYSTEMS: PRIMARIES 117 VOLTS 60 Hz. § (Cont'd)

S E C T	STANCOR Part No.	Style	Plate Winding		Rectifier Fila.		Other Windings		Termination		Dimensions - Inches					Wt. Lbs.
			A.C. Volts	DCMA	Volts	Amps.	Volts	Amps.	Pri.	Sec.	Case		Mounting			
											H	W	D	MW	MD	
A	PC-8405	C	270-0-270	120	5.0	3.0	6.3C.T.	3.5	Leads	Leads	3 ⁷ / ₈	3 ¹ / ₈	3 ¹ / ₂	2 ¹ / ₂	2 ³ / ₁₆	4.9
	P-8356	C†	270-0-270	260	5.0	3.0	6.3	8.8	Leads	Leads	3 ⁷ / ₈	3 ¹ / ₈	3 ³ / ₈	2 ¹ / ₂	2 ¹ / ₄	6.5
B	P-8378	C†	280-0-280 250-0-250	300	5.0/3.0	4.5	6.3 24.0	10.0 1.2	Leads	Leads	3 ⁷ / ₈	3 ¹ / ₈	4 ³ / ₈	2 ¹ / ₂	3 ¹ / ₄	7.9
C	P-8355	C2†	285-0-285	250	5.0	3.0	6.3	9.5	Leads	Leads	3 ³ / ₁₆	3 ³ / ₄	3 ¹ / ₂	2 ¹ / ₂	2 ³ / ₁₆	6.5
D	P-6358	C	300-0-300	65	—	—	6.3C.T.	2.7	Leads	Leads	3 ¹ / ₈	2 ¹ / ₂	2 ¹ / ₂	2	1 ³ / ₄	3.0

S E C T	STANCOR Part No.	Style	Plate Winding		Rectifier Fila.		Other Windings		Termination		Dimensions - Inches					Wt. Lbs.
			A.C. Volts	DCMA	Volts	Amps.	Volts	Amps.	Pri.	Sec.	Case		Mounting			
											H	W	D	MW	MD	
E	PC-8406	C	325-0-325	40	5.0	2.0	6.3C.T.	2.0	Leads	Leads	3 ¹ / ₈	2 ¹ / ₂	2 ³ / ₄	2	1 ¹¹ / ₁₆	2.4
	PM-8406	M	325-0-325	40	5.0	2.0	6.3C.T.	2.0	Leads	Leads	2 ³ / ₄	2 ¹ / ₂	3	2	2 ¹ / ₂	2.4
F	PC-8407	C	325-0-325	55	5.0	2.0	6.3C.T.	2.0	Leads	Leads	3 ¹ / ₈	2 ¹ / ₂	3 ¹ / ₈	2	2 ¹ / ₁₆	3.2
G	PC-8422	C	325-0-325	150	5.0	3.0	6.3C.T.	5.0	Leads	Leads	3 ⁷ / ₈	3 ¹ / ₈	3 ⁷ / ₈	2 ¹ / ₂	2 ⁹ / ₁₆	5.8
H	P-8339	C	325-0-325	255	5.0	3.0	12.6C.T.	5.25	Leads	Leads	4 ⁹ / ₁₆	3 ³ / ₄	4 ³ / ₈	3	3 ³ / ₁₆	8.5
I	PC-8408	C	340-0-340	70	5.0	2.0	6.3C.T.	2.5	Leads	Leads	3 ¹ / ₂	2 ¹³ / ₁₆	3 ³ / ₈	2 ¹ / ₄	2 ¹ / ₈	3.8
J	PC-8409	C	350-0-350	90	5.0	2.0	6.3C.T.	3.0	Leads	Leads	3 ¹ / ₂	2 ¹³ / ₁₆	3 ⁵ / ₈	2 ¹ / ₄	2 ³ / ₈	4.5
	PM-8409	M	350-0-350	90	5.0	2.0	6.3C.T.	3.0	Leads	Leads	3 ¹ / ₂	2 ¹³ / ₁₆	3 ³ / ₈	2 ¹ / ₄	2 ¹³ / ₁₆	4.5
K	PC-8410	C	360-0-360	120	5.0	3.0	6.3C.T.	3.5	Leads	Leads	3 ⁷ / ₈	3 ¹ / ₈	3 ³ / ₄	2 ¹ / ₂	2 ⁷ / ₁₆	5.5

† With Copper shorting band to reduce external Magnetic Field.

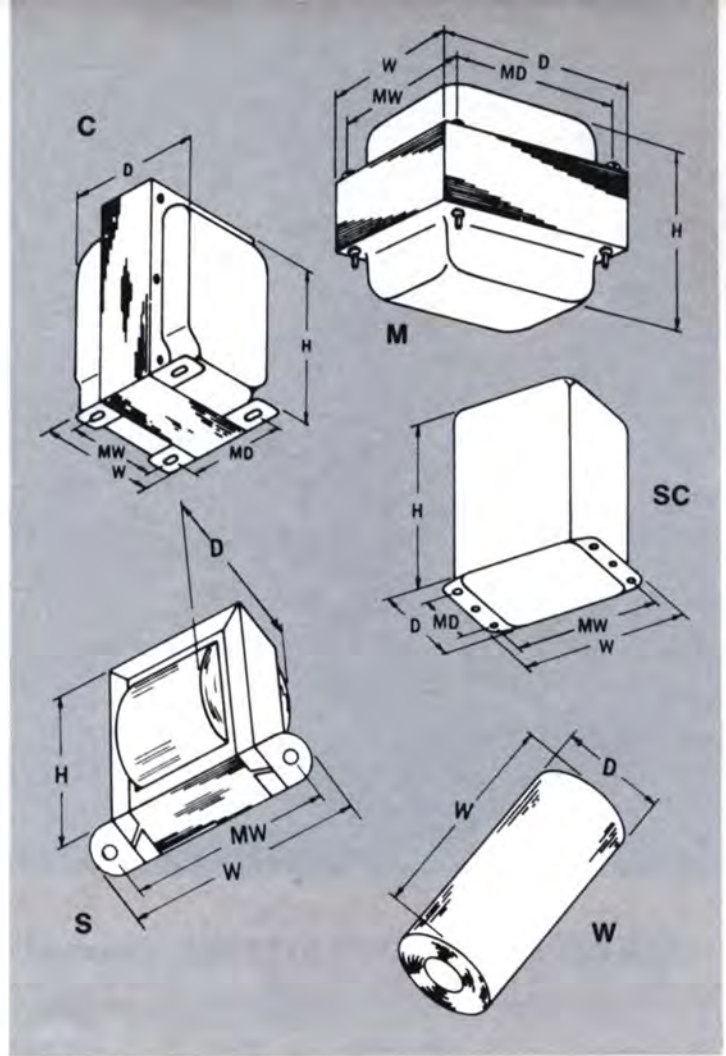
§ May be operated from a 400 Hz. source with no change in output ratings. ALL SECONDARY A.C. VOLTAGES ±3%.

STANCOR

TRANSFORMERS

POWER TRANSFORMERS

PLATE AND FILAMENT TYPE



FOR CAPACITOR INPUT SYSTEMS: PRIMARIES 117 VOLTS 60 Hz. § (Cont'd)

S E C T	STANCOR Part No.	Style	Plate Winding		Rectifier Fila.		Other Windings		Termination		Dimensions - Inches					Wt. Lbs.
			A.C. Volts	DCMA	Volts	Amps.	Volts	Amps.	Pri.	Sec.	Case		Mounting			
			H	W	D	MW	MD									
A	PC-8411	C	375-0-375	150	5.0	3.0	6.3C.T.	4.5	Leads	Leads	4¼	3 ⁷ / ₁₆	4	2¾	2 ¹³ / ₁₆	5.8
	PC-8412	C	400-0-400	200	5.0	3.0	6.3C.T.	5.0	Leads	Leads	4 ¹¹ / ₁₆	3¾	4	3	2 ¹³ / ₁₆	8.2
	PC-8414	C	600-0-600	200	5.0	3.0	6.3	3.0	Leads	Leads	4 ¹¹ / ₁₆	3¾	4¼	3	3 ¹ / ₁₆	8.3

§ May be operated from a 400 Hz. source with no change in output ratings. ALL SECONDARY A.C. VOLTAGES ±3%.

FOR CATHODE RAY TUBES: PRIMARIES 117 VOLTS 50/60 Hz., EXCEPT ♣ FOR 60 Hz. ONLY

B	P-8150	SC	1550†	1.5	2.5	1.75			Leads	Leads	3 ¹ / ₁₆	3	2½	2 ¹¹ / ₁₆	1¾	1.8
	P-8179	M	1600†	3.0			6.3/5/2.5	1.0	Lugs	Lugs	3½	2½	3	2	2½	3.5
	P-8151♣	C	2400†	5.0	2.5	2.0	6.3/5/2.5	3.0	Leads	Leads	4¼	3 ⁷ / ₁₆	3 ⁷ / ₈	2¾	2 ¹¹ / ₁₆	6.4

FOR 100 WS ELECTRONIC PHOTOFLASH: PRIMARIES 105/115/125 VOLTS 60 Hz. §

C	P-6425	S	380†	20					Leads	Leads	2 ⁵ / ₁₆	2 ⁷ / ₈	2	2 ³ / ₈	—	1.4
	P-6426	W	Charges 1050 mfd. to 450 volts D.C. Trigger Coil for use with P-6425. Ratio 1 to 35						Leads	Leads	—	¾	9 ¹ / ₁₆	—	—	0.2

† For use in Half-Wave Circuits. § May be operated from a 400 Hz. source with no change in output ratings. ALL SECONDARY A.C. VOLTAGES ±3%.

AUDIO TRANSFORMERS TECHNICAL NOTES

Audio Transformers operate on the same electromagnetic induction principle as Power Transformers but generally over a fairly broad range of frequencies; instead of at a single power frequency, such as 60 Hertz. In common applications they may carry D.C. in one or more windings, transform Voltage and Current levels, act as an Impedance matching and coupling device or as a form of filter; passing only a limited range of frequencies (voice communication). Usually they perform more than just one of these functions simultaneously in a specific type of usage.

In some applications the frequency response, amount of magnetic shielding, maximum operating level, percentage of waveform distortion and insertion loss of the transformer are important.

The most commonly required electrical information pertaining to Audio Transformers is listed in this catalog wherever it applies, along with the physical mounting style, weight and dimensions. Information not shown is often available upon request if it pertains

to the normal intended type of usage for a specific item.

The Impedance values listed for each Audio Transformer are the Reflected Impedance (Primary) for the rated value of Load Impedance (Secondary), into which the transformer is designed to operate. The Impedance Ratio between Primary and Secondary is fixed; since it is equal to the square of the turns ratio, which remains the same for different operating conditions. Turns Ratios listed are for Total Primary to Secondary, with the exception of the Driver Transformers for use with tubes. These are listed for Primary to 1/2 Secondary operation and are typically used in Class "B" Amplifier applications.

Accuracy of turns ratios is maintained within plus or minus 3 percent. Center taps are accurate within plus or minus 1 percent. Values of Primary D.C. listed are maximum and, in the case of push-pull operation with a center-tapped winding, are the maximum amount for each half of the winding, unless otherwise indicated.

HANDY METHOD FOR APPROXIMATING THE PRIMARY TO SECONDARY RATIO REQUIRED OF A DRIVER TRANSFORMER IN CLASS B OR AB₂ SERVICE

$$\text{Transformer ratio, primary: } \frac{1}{2} \text{ secondary} = \frac{\sqrt{PZ_L}}{0.35E_s}$$

Where: P = Driving power in watts required for tubes to be driven.

Z_L = Plate load impedance of driver tube(s) selected.

E_s = Peak grid-to-grid signal voltage required for tubes to be driven.

Factor values for this formula are data commonly found in tube manuals. Select driver tubes capable under typical operation of delivering 1.5 times the grid driving power requirements of the stage to be driven. Pentode or tetrode drivers should be operated with inverse feedback.

URNS/IMPEDANCE RATIOS

Turns Ratio "NR" may be expressed as the ratio of turns between the Primary and Secondary windings. It is also the Voltage Ratio between them and may be expressed as:

$$NR = \frac{N \text{ sec.}}{N \text{ pri.}} = \frac{E \text{ sec.}}{E \text{ pri.}}$$

Since the Impedance Ratio is equal to the square of the Turns Ratio:

$$(NR)^2 = ZR \text{ or } NR = \sqrt{\frac{Z \text{ sec.}}{Z \text{ pri.}}}$$

Where: N sec. = Number of Secondary Turns.

N pri. = Number of Primary Turns.

E sec. = Secondary Voltage.

E pri. = Primary Voltage.

NR = Turns Ratio between windings.

Z = Impedance in Ohms.

ZR = Impedance Ratio between windings.

INSERTION LOSS

Insertion loss is expressed in Decibels (db) as a measure of efficiency, thusly:

$$\text{Insertion loss in db} = 10 \log \frac{P \text{ input}}{P \text{ output}}$$

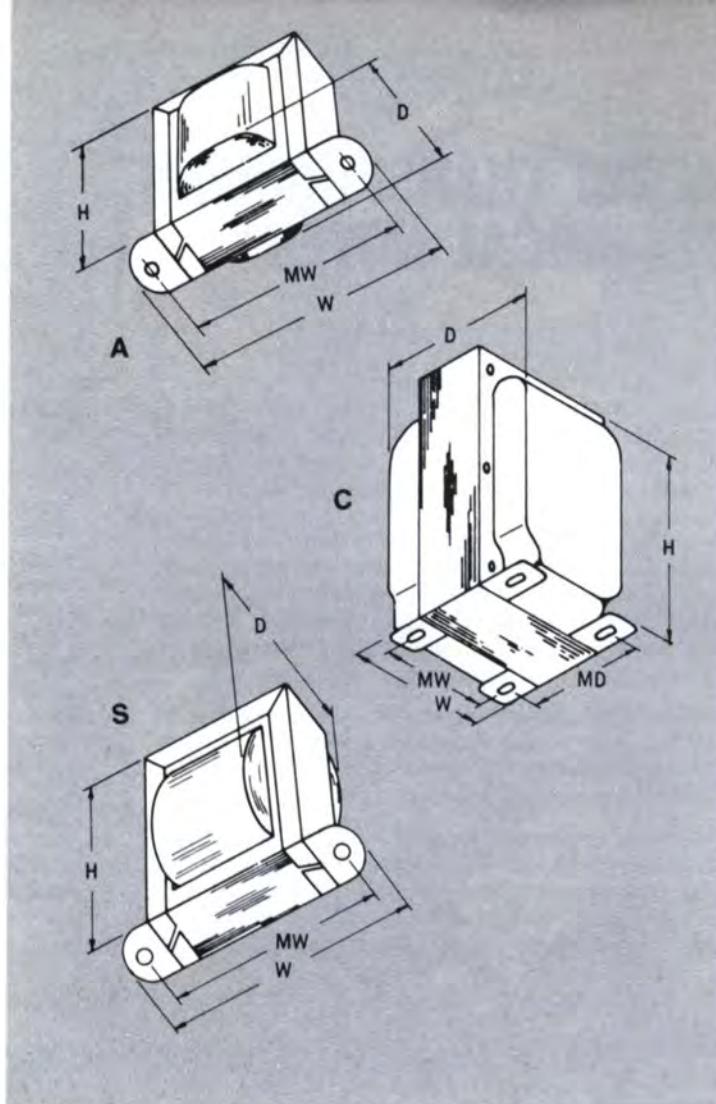
Where P = power (in Watts).

If it is measured at mid-band Frequency it is a simple expression of the transformer efficiency. At other frequencies it includes the Frequency Response characteristics of the transformer for specific conditions.

STANCOR

TRANSFORMERS

AUDIO TRANSFORMERS



OUTPUT: SINGLE PLATE TO VOICE COIL AND/OR LINE

S E C T	STANCOR Part No.	Style	Impedance in Ohms		Max. Pri. DCMA	Audio Watts	Termination		D.C. Resist		Overall Turns Ratio	Frequency Response In Hz. ± 3 DB	RMS Test Voltage	Dimensions-Inches					Wt. Lbs.
			Pri.	Sec.			Pri.	Sec.	Pri. Ohms	Sec. Ohms				Case			Mounting		
														H	W	D	MW	MD	
A	A-3332	A	2000	3.2	50	3	Leads	Leads	140	.63	24.3:1	100-20000	1000	1 1/4	2 1/8	1 1/4	1 3/4	—	0.4
	A-3876	A	2000	4.0	60	5	Leads	Leads	47	.27	22.3:1	50-20000	1000	1 3/8	2 3/8	1 3/8	2	—	0.4
B	A-3328	A	4000	3.5	10	3	Leads	Leads	350	.53	33.8:1	80-20000	1000	1 1/4	2 1/8	1 1/8	1 3/4	—	0.4
C	A-3877	A	5000	4.0	40	5	Leads	Leads	125	.30	35.2:1	200-20000	1000	1 3/8	2 3/8	1 3/8	2	—	0.4
	A-3309	A	5000	3.4	35	3	Leads	Leads	340	.50	37.3:1	200-15000	1500	1 1/4	2 1/8	1 3/8	1 3/4	—	0.4
D	A-3878	A	7000	4.0	30	5	Leads	Leads	350	.43	42.1:1	200-20000	1000	1 3/8	2 3/8	1 1/4	2	—	0.4
E	A-3879	A	10000	4.0	30	5	Leads	Leads	275	.28	49.7:1	200-20000	1000	1 3/8	2 3/8	1 3/8	2	—	0.4
F	A-3250	A	20000/ 10000/5000	500/332/200/ 125/50	15	5	Lugs	Lugs	1500	55.	6.25:1	50-20000	1500	2	3 1/4	1 7/8	2 13/16	—	1.0
G	A-3327	A	25000	4.0	5	5	Leads	Leads	1200	.6	80.4:1	200-15000	1000	1 3/8	2 3/8	1 3/8	2	—	0.4

OUTPUT: PUSH-PULL PLATES TO VOICE COIL AND/OR LINE

H	A-3800	C	5000C.T.	500/250/15/8/4	80	30	Leads	Leads	280	21.	3.12:1	20-20000	1500	3 1/2	2 13/16	3 1/4	2 1/4	2	3.7
I	A-3801	C	6600C.T.	500/250/15/8/4	150	35	Leads	Leads	125	10.	3.64:1	30-20000	2000	3 7/8	3 1/8	3 1/2	2 1/2	2 7/16	4.8
J	A-3311	C	10000C.T.	500/15/8/4	70	25	Leads	Leads	450	22.	4.47:1	60-20000	1500	3 1/2	2 13/16	3 1/4	2 1/4	2	3.5

AUDIO TRANSFORMERS

OUTPUT: PUSH-PULL PLATES TO VOICE COIL AND/OR LINE (Cont'd)

S E C T	STANCOR Part No.	Style	Impedance in Ohms		Max. Pri. DCMA	Audio Watts	Termination		D.C. Resist		Overall Turns Ratio	Frequency Response In Hz. ±3 DB	RMS Test Voltage	Dimensions-Inches					Wt. Lbs.
			Pri.	Sec.			Pri.	Sec.	Pri. Ohms	Sec. Ohms				Case			Mounting		
														H	W	D	MW	MD	
A	A-3831	A	10000C.T.	8/4/2	40	5	Leads	Leads	300	0.67	35.7:1	100-15000	1000	1 5/8	2 7/8	1 3/4	2 3/8	—	0.7
	A-8093	A	10000C.T.	3-4	40	10	Leads	Leads	500	0.46	53.7:1	100-15000	1500	1 5/8	2 7/8	1 1/2	2 3/8	—	0.7
	A-3335	S	10000C.T.	6-8/3.2-4	40	10	Leads	Leads	550	0.5	36.2:1	100-15000	2000	2 3/8	2 7/8	2	2 3/8	—	1.0
B	A-3250	A	20000C.T.	500/333/200/125/50	15	5	Lugs	Lugs	1450	55.	6.25:1	40-15000	1500	2	3 1/4	1 7/8	2 13/16	—	1.0

UNIVERSAL OUTPUT: "POLY-PEDANCE" — SINGLE OR PUSH-PULL PLATES TO VOICE COIL

C	A-3856	A	S. or P.P. Plates 4000 to 14000	.05 to 122	35	4	Leads	Lugs	300	1.2	18.3:1	—	1500	1 3/8	2 3/8	1 1/2	2	—	0.4
D	A-3849	A	S. Plate 1500 to 10000	.02 to 21	55	10	Lugs	Lugs	260	1.4	18.2:1	—	1000	1 5/8	2 7/8	1 1/2	2 3/8	—	0.7
	A-3880	A	P.P. Plates 4000 to 14000	.02 to 122	40	15	Lugs	Lugs	350	1.0	18.2:1	—	1500	2 3/8	3 3/4	2 1/8	3 1/8	—	1.7
	A-3852	S	P.P. Plates 4000 to 14000	.05 to 122	40	18	Leads	Lugs	475	1.0	22.4:1	—	1500	2 3/8	2 7/8	2	2 3/8	—	1.3
	A-3830	S	P.P. Plates 3000 to 10000	.04 to 122	60	20	Leads	Lugs	170	0.7	18.2:1	—	1500	2 3/4	3 1/8	2 1/8	2 13/16	—	1.8

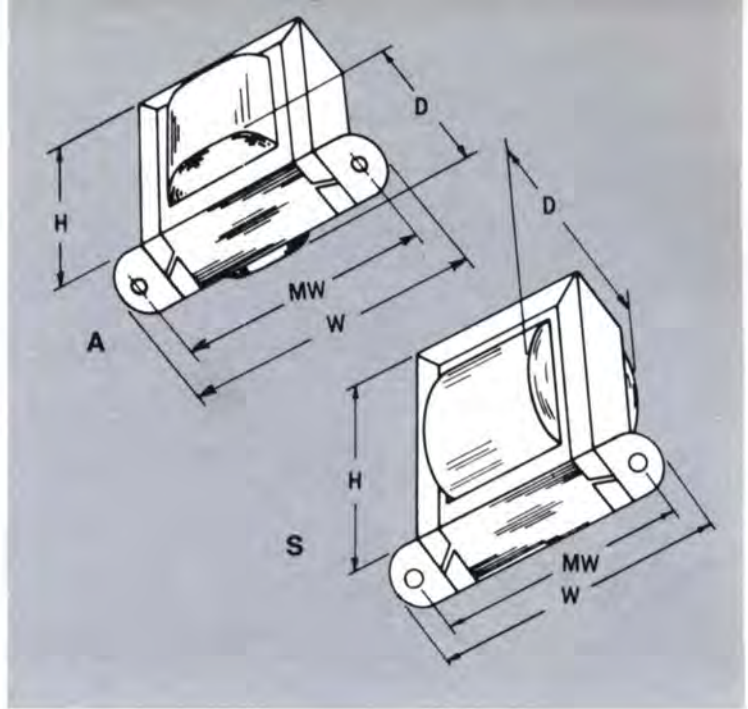
OUTPUT: HIGH FIDELITY

E	A-8053	C	5000C.T.	16/8	150	50	Leads	Leads	155	0.75	5.5:1	20-20000	2000	4 1/4	3 7/16	4 1/4	2 3/4	3 3/16	6.5
	A-8056	C	6600C.T.	16/8	125	50	Leads	Leads	235	0.75	20:1	20-20000	2000	4 1/4	3 7/16	4 1/4	2 3/4	3 3/16	6.5

STANCOR

TRANSFORMERS

AUDIO TRANSFORMERS



LINE TO VOICE COIL

S E C T	STANCOR Part No.	Style	Impedance in Ohms		Audio Watts	Termination		D. C. Resist		Overall Turns Ratio	Frequency Response In Hz. ±3 DB	RMS Test Voltage	Dimensions-Inches					Wt. Lbs.
			Pri.	Sec.		Pri.	Sec.	Pri. Ohms	Sec. Ohms				Case			Mounting		
													H	W	D	MW	MD	
A	A-8104	S	3000/2000/1500/1000/500		10	Lugs	Lugs	175	1.5	12.8:1	50-15000	1500	2 3/8	2 7/8	1 3/4	2 3/8	—	1.5
	A-3883	S	500		25	Lugs	Lugs	24	1.0	5.75:1	50-15000	1500	2 3/8	2 7/8	1 3/4	2 3/8	—	1.1
B	A-8101	A	500		5	Lugs	Leads	40	.5	8.8:1	60-20000	1000	1 3/8	2 3/8	1 3/8	2	—	0.4
	A-7947	A	2000/1500/1000/500		8	Lugs	Lugs	150	.8	17.2:1	60-15000	1500	1 5/8	2 7/8	1 5/8	2 3/8	—	0.7
	A-7949	S	2000/1500/1000/500		12	Lugs	Lugs	120	.8	17.7:1	50-15000	1500	2 3/8	2 7/8	1 3/4	2 3/8	—	1.1
	A-3837	S	500		15	Lugs	Lugs	50	.4	7.9:1	60-15000	1500	2 3/8	2 7/8	2	2 3/8	—	1.4

25 VOLT LINE TO VOICE COIL

S E C T	STANCOR Part No.	Style	Impedance in Ohms		Power Steps in Watts	Termination		D. C. Resist		Overall Turns Ratio	Frequency Response In Hz. ±3 DB	RMS Test Voltage	Dimensions-Inches					Wt. Lbs.
			Pri.	Sec.		Pri.	Sec.	Pri. Ohms	Sec. Ohms				Case			Mounting		
													H	W	D	MW	MD	
C	A-8096	S	78/156/312/625/1250		8/4/2/1/0.5	Lugs	Lugs	72	1.0	8.8:1	30-20000	1000	2	2 3/8	1 5/8	2	—	0.65
	A-8097	S	39/78/156/312/625/1250		16/8/4/2/1/0.5	Lugs	Lugs	60	1.1	8.68:1	30-20000	1000	2 3/4	3 1/8	2 1/4	2 13/16	—	1.6
D	A-8095	A	125/250/500/1000/2000		5/2.5/1.25/62/31	Lugs	Lugs	100	.6	15.6:1	30-20000	1000	1 3/8	2 3/8	1 1/2	2	—	0.4
	A-8099	A	312/625/1250		2/1/0.5	Lugs	Lugs	85	.6	12.2:1	50-15000	1000	1 1/4	2 1/8	1 3/8	1 3/4	—	0.3
E	A-8087	A	312/625/1250		8	Leads	Leads	85	.7	12.2:1	40-15000	1000	1 3/8	2 3/8	1 3/8	2	—	0.4
	A-8055*	A	625/1250		8	Leads	Leads	114	.69	11.9:1	50-15000	1000	1 1/4	2 1/8	1 5/16	1 3/4	—	.25
	A-8071	A	625/1250		8	Leads	Leads	114	.69	11.9:1	50-15000	1000	1 1/4	2 1/8	1 5/16	1 3/4	—	.25
	A-8089*	A	156/312/625/1250		8	Leads	Leads	54	.42	12.5:1	40-20000	1000	1 5/8	2 7/8	1 7/16	2 3/8	—	0.6

* Secondary self leads — 2 inches long, skinned and tinned 1 inch.

70.7 VOLT LINE TO VOICE COIL

F	A-8102	S	625/1250/2500/5000/10000		8/4/2/1/0.5	Lugs	Lugs	670	1.0	24.9:1	50-20000	1000	2	2 3/8	1 5/8	2	—	0.7
	A-8103	S	312/625/1250/2500/5000/10000		16/8/4/2/1/0.5	Lugs	Lugs	585	1.1	24.5:1	40-15000	1000	2 3/4	3 1/8	2 1/4	2 13/16	—	1.5
G	A-8105	A	1000/2000/4000/8000/16000		5/2.5/1.25/62/31	Lugs	Lugs	950	.6	44.2:1	50-20000	1000	1 3/8	2 3/8	1 1/2	2	—	0.4
	A-8105A	A	1000/2000/4000/8000/16000		5/2.5/1.25/62/31	Leads	Leads	950	.6	44.2:1	50-20000	1000	1 3/8	2 3/8	1 1/2	2	—	0.4
	A-8109	A	2500/5000/10000		2/1/0.5	Lugs	Lugs	800	.6	34.9:1	50-15000	1000	1 1/4	2 1/8	1 3/8	1 3/4	—	0.3
H	A-8080	A	1000/1250/1667/2500/5000		5/4/3/2/1	Lugs	Lugs	275	1.5	17.2:1	50-20000	1000	1 3/8	2 3/8	1 1/2	2	—	0.4
	A-8082	S	333/357/384/417/455		15/14/13/12/11	Lugs	Lugs	30	1.1	5.1:1	50-20000	1000	2 3/8	2 7/8	1 3/4	2 3/8	—	1.2

AUDIO TRANSFORMERS

70.7 VOLT LINE TO VOICE COIL (Cont'd) —See Style Drawings Page 40.

S E C T	STANCOR Part No.	Style	Impedance in Ohms		Power Steps in Watts	Termination		D.C. Resist		Overall Turns Ratio	Frequency Response In Hz. ±3 DB	RMS Test Voltage	Dimensions-Inches					Wt. Lbs.
			Pri.	Sec.		Pri.	Sec.	Pri.	Sec.				Case			Mounting		
													H	W	D	MW	MD	
I	A-8081	S	500/555/625/ 715/833	8/16	10/9/8/7/6	Lugs	Lugs	70	1.3	6.86:1	50-20000	1000	2	2 3/8	1 3/8	2	—	0.7
J	A-8083	A	2500/5000/10000	8	2/1/0.5	Leads	Leads	635	.7	34.7:1	50-20000	1000	1 3/8	2 3/8	1 3/8	2	—	0.4
	A-8084	A	1250/2500/5000/ 10000/20000/40000	8	4/2/1/1.5/ .25/.12	Leads	Leads	1150	.4	67.6:1	50-20000	1000	1 3/8	2 7/8	1 3/8	2 3/8	—	0.7
	A-8085	A	156/312/625/1250	8	4/2/1/0.5	Leads	Leads	500	.48	34.8:1	50-20000	1000	1 3/8	2 7/8	1 3/8	2 3/8	—	0.6
K	A-8076	S	250/500/1000/ 2000	4/8/16	20/10/5/2.5	Lugs	Lugs	65	.7	11.2:1	50-20000	1000	2 3/8	2 7/8	1 7/8	2 3/8	—	1.0
	A-8077	S	208/416/833/ 1666/3333	4/8/16	24/12/6/ 3/1.5	Lugs	Lugs	63	.7	14:1	40-20000	1000	2 3/4	3 1/8	2	2 1 3/16	—	1.5
	A-8078	S	167/250/500/ 1000	4/8/16	30/20/10/5	Lugs	Lugs	35	.8	8:1	40-20000	1500	2 3/8	2 7/8	1 3/4	2 3/8	—	1.0
	A-8079	S	100/125/200/333	4/8/16	50/40/25/15	Lugs	Lugs	22	1.2	4.46:1	40-20000	1000	2 3/8	2 7/8	2	2 3/8	—	1.4

TECHNICAL DATA FOR CONSTANT VOLTAGE TYPES

The Constant Voltage Line Sound Distribution Systems have become the most widely accepted systems in use today. They offer the Sound Engineer an easy means of establishing the volume level of each speaker in a system without the use of potentiometers or similar devices. The proven simplicity and versatility of these systems minimize the problem of speaker impedance mismatching thereby insuring high quality sound reproduction and minimum power losses. The use of higher power driving the constant voltage lines also helps to lower power losses over longer distances.

Most of the newer P.A. amplifiers have a designated 25 volt, 70.7 volt or 140 volt outlet on the output transformer, but almost any older amplifier has an impedance tap which may be used for the desired voltage output.

To insure a steady maintenance of the desired line voltage, it is recommended that the amplifier should be capable of producing 1 1/2 times the total power of the various speakers connected. Hence, if the sum of the speakers equals 25 watts, the driving amplifier should be capable of producing 37 1/2 watts. The power and impedance figures shown here with the formulas are based on the total power actually supplied to the speakers and not on the maximum capability of the amplifier. The following table lists various amplifier power outputs with the corresponding impedance tap on the output transformer which will supply these three basic line voltages:

Watts Power Output	Impedance For 140 Volt Line	Impedance For 70.7 Volt Line	Impedance For 25 Volt Line
5	4,000	1,000	125
10	2,000	500	62.5
15	3,333	333	41.7
20	1,000	250	31.2
25	800	200	25
30	666	166	21
40	500	125	15.6
50	400	100	12.5
60	333	83	10.5
80	250	62.5	7.8
100	200	50	6.3

For power ratings not shown in this table, use the following formula:

$$Z = E^2/W \text{ Impedance Tap for: } 140 \text{ volt line} = 20,000/W$$

$$Z = \text{Ohms} \quad 70.7 \text{ volt line} = 5,000/W$$

$$E = \text{Volts} \quad 25 \text{ volt line} = 625/W$$

$$W = \text{Watts Output}$$

To establish the volume level of the various speakers in the system, it is necessary to know the power output of the amplifier and the power desired at each speaker. To choose the correct line transformers, match the power to be delivered to each speaker with the power tap on the line transformer. Then connect the primaries of the line transformers in parallel to the proper voltage tap on the output transformer of the amplifier. When the sum of the power ratings shown on each line transformer is equal to the power rating of the amplifier, and the speakers are connected to the appropriate secondary taps, the system is correctly matched.

To determine the proper tap on the primary of the line transformer for a given wattage input to the speaker, use the formula:

$$Z = E^2/W$$

EXAMPLE: In a 70.7 volt system assume that the speaker requires 5 watts. What is the impedance of the tap required to produce this wattage?

$$Z = E^2/W = 70.7 \times 70.7/5 = 5,000/5 = 1,000 \text{ ohms}$$

To determine the wattage input to the speaker when the tap is already connected, use the formula:

$$W = E^2/Z$$

EXAMPLE: In a 70.7 volt system, assume a speaker connected to the 500 Ohm tap of the primary of the line transformer. What wattage is produced by the use of this tap?

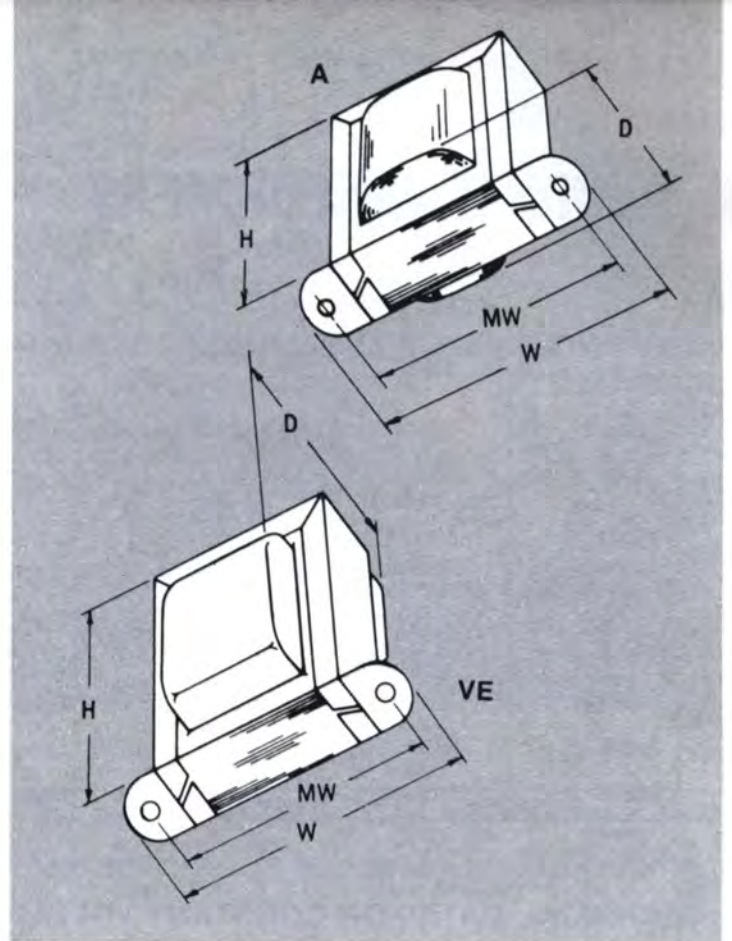
$$W = E^2/Z = 70.7 \times 70.7/500 = 5,000/500 = 10 \text{ Watts}$$

REMEMBER: Each speaker must have its own line-matching transformer and all of the line-matching transformers are connected in parallel to the proper voltage tap on the output transformer of the amplifier.

STANCOR

TRANSFORMERS

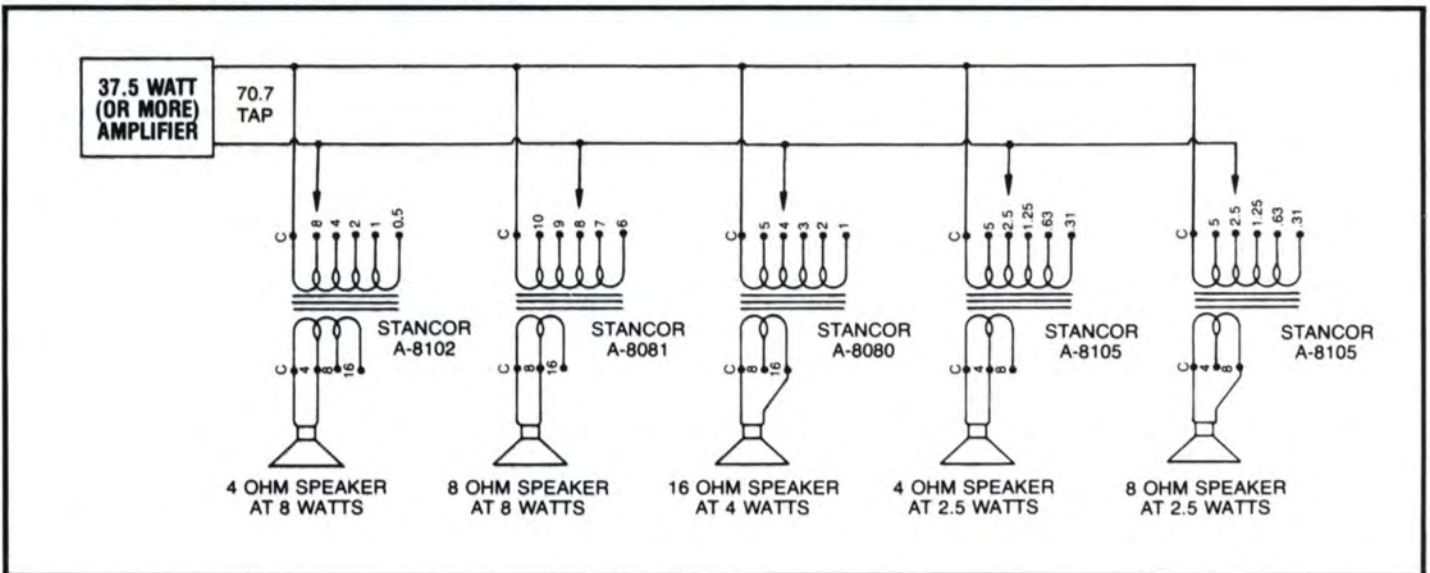
AUDIO TRANSFORMERS



FOR INTERCOMS AND TRANSCEIVERS

S E C T	STANCOR Part No.	Style	Application	Impedance in Ohms		Audio Watts	Termination		D.C. Resist.		Overall Turns Ratio	Frequency Response In Hz. ± 3 DB	RMS Test Voltage	Dimensions-Inches					Wt. Lbs
				Pri.	Sec.		Pri.	Sec.	Pri. Ohms	Sec. Ohms				Case			Mounting		
														H	W	D	MW	MD	
A	A-4744 A-8090	VE A	Intercom Input Line to Voice Coil	4 45 or 50	25000 6-8/3-4	— 3	Leads Lugs	Leads Lugs	0.6 4.0	750 0.5	1:79.5 2.52:1	200-7000 100-20000	1500 1000	1 3/8 1 3/8	2 3/8 2 3/8	1 1/2 1 1/4	2 2	— —	0.5 0.5

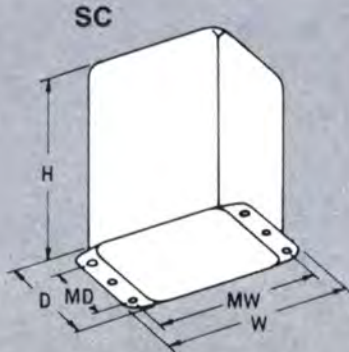
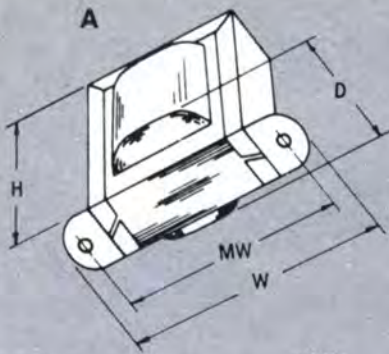
A TYPICAL 70.7 VOLT LINE DISTRIBUTION SYSTEM SHOWING THE PROPER STANCOR UNIT — Products Listed on Pages 40 and 41.



STANCOR

TRANSFORMERS

AUDIO TRANSFORMERS



MICROPHONE, PICKUP OR LINE TO GRID

SECT	STANCOR Part No.	Style	Application	Impedance in Ohms		Audio Watts	Termination		D.C. Resist.		Overall Turns Ratio	Frequency Response In Hz. ± 3 DB	RMS Test Voltage	Dimensions-Inches					Wt. Lbs.
				Pri.	Sec.		Pri.	Sec.	Pri. Ohms	Sec. Ohms				Case			Mounting		
														H	W	D	MW	MD	
A	A-4351	SC	Mic. or Line to S. Grid	500/333/200/125/50	89000	—	Leads	Leads	22	3100	1:13.3	60-10000	1500	2 ¹¹ / ₁₆	2 ¹¹ / ₁₆	2 ¹ / ₄	2 ³ / ₈	1 ¹ / ₂	1.4
	A-4779	A	Line to S. or P.P. Grids	600/500 C.T.	60000 C.T.	—	Leads	Leads	37	1600	1:10	100-10000	1500	1 ³ / ₈	2 ³ / ₈	1 ³ / ₈	2	—	0.5

LINE TO LINE

SECT	STANCOR Part No.	Style	Impedance in Ohms		Frequency Response In Hz. ± 3 DB	Audio Watts	Termination		Dimensions-Inches					Wt. Lbs.
			Pri.	Sec.			Pri.	Sec.	Case			Mounting		
									H	W	D	MW	MD	
B	A-4350	A	50/125/200/333/500	50/125/200/333/500	200-15000	10	Lugs	Lugs	2	3 ¹ / ₄	1 ⁷ / ₈	2 ¹³ / ₁₆	—	1.0

INTERSTAGE: SINGLE PLATE (7,000 to 20,000 OHM) TO SINGLE GRID

SECT	STANCOR Part No.	Style	Ratio	Max. Pri. DCMA	Termination		D.C. Resist.		Overall Turns Ratio	Frequency Response In Hz. ± 3 DB	RMS Test Voltage	Dimensions-Inches					Wt. Lbs.
					Pri.	Sec.	Pri. Ohms	Sec. Ohms				Case			Mounting		
												H	W	D	MW	MD	
C	A-53	A	1:3	10	Leads	Leads	400	1500	1:3	100-10000	1000	1 ³ / ₈	2 ³ / ₈	1 ³ / ₈	2	—	0.5

INTERSTAGE: SINGLE PLATE (7,000 to 15,000 OHM) TO PUSH-PULL GRIDS

D	A-52C	A	1:2	10	Leads	Leads	570	1450	1:2	100-10000	1000	1 ³ / ₈	2 ³ / ₈	1 ¹ / ₂	2	—	0.4
	A-53C	A	1:3	10	Leads	Leads	400	1500	1:3	100-10000	1000	1 ³ / ₈	2 ³ / ₈	1 ¹ / ₂	2	—	0.5
	A-63C	A	1:3	10	Leads	Leads	565	2050	1:3	100-10000	1000	1 ³ / ₈	2 ⁷ / ₈	1 ³ / ₈	2 ³ / ₈	—	0.7

DRIVER: SINGLE PLATE TO PUSH-PULL GRIDS*

SECT	STANCOR Part No.	Style	Pri. Impedance in Ohms	Max. Pri. DCMA	Pri.: $\frac{1}{2}$ Sec. Ratio	Audio Watts	Termination		D.C. Resist.		Frequency Response In Hz. ± 3 DB	RMS Test Voltage	Dimensions-Inches					Wt. Lbs.
							Pri.	Sec.	Pri. Ohms	Sec. Ohms			Case			Mounting		
													H	W	D	MW	MD	
E	A-4723	A	10000	30	3:1	5	Leads	Leads	435	435	200-15000	1500	1 ³ / ₈	2 ⁷ / ₈	1 ³ / ₈	2 ³ / ₈	—	0.7

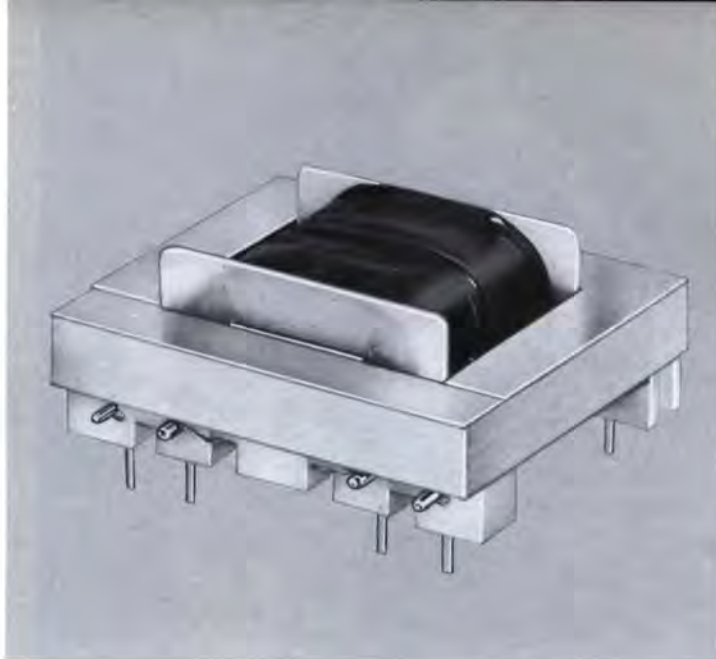
* Refer to information pertaining to turns ratios shown on page 37.

STANCOR

TRANSFORMERS

TELEPHONE COUPLING TRANSFORMERS

For Interconnecting Data/Voice Modem
Terminals to Telephone Lines
Designed to Meet FCC Part 68
1500 Volt DIELECTRIC STRENGTH



APPLICATION DATA

Stancor's TTPC series transformers are designed to meet the high performance requirements of today's phone interconnect and instrumentation applications. Stancor has the broadest range of units for general use in impedance matching, circuit isolation, line balancing or bridging, and hybrid applications.

TTPC transformers are ideal for use in voice and data interconnect networks such as modem terminal connection to telephone lines. Stancor's units will handle 1500 volts dielectric breakdown and meet FCC Part 68 requirements.

REFERENCE CHART

S E C T	STANCOR Part Number	Impedance		D.C. Curr. MA	Insertion Losses db	Schematic No.	Style	Wt. Oz.
		Primary	Secondary					
A	✓TTPC-1	600 C.T.	600 C.T.	0	1.4 db	2	A	.6
	✓TTPC-2	600	600	0	1.2 db	1	B	.5
	✓TTPC-3	600 C.T.	600 C.T.	0	1.2 db	2	C	.5
	✓TTPC-4	600	900	0	1.5 db	10	B	.5
	✓TTPC-5	4000	600	0	1.5 db	11	B	.5
B	✓TTPC-6	600	600 C.T.	90MA	1.8 db	3	E	1.0
	✓TTPC-7	600	600	0	1.2 db	1	A	.6
	✓TTPC-8	600 C.T.	600 C.T.	0	1.2 db	2	A	.6
	✓TTPC-9	600	600/600	0	1.2 db	4&12	D	1.0
	✓TTPC-10	900	600	0	1.2 db	11	A	.6
	✓TTPC-11	4000	600	0	1.2 db	11	A	.6
C	✓TTPC-12	Holding Coil (Inductance 1.3 Hy)			—	5	F	1.5
	✓TTPC-13	600	600 C.T. Split	90MA	1.8 db	6	G	.5
	✓TTPC-14	600	600 C.T. Split	75MA	1.1 db	13&14	H	2.5
	✓TTPC-15	600	600	80MA	1.1 db	1	H	2.5
	✓TTPC-16	900	600	80MA	1.7 db	10	H	2.5
D	✓TTPC-17	Holding Coil (Inductance 1.4 Hy)			—	9	H	2.5
	✓TTPC-18	600	600 C.T. or 150 Split	80MA	1.7 db	7	J	2.5
	✓TTPC-19	600 C.T.	600 C.T.	80MA	1.7 db	8	L	2.5
E	*PCT-24	900 C.T.	600	3MA	2.0 db	3	K	.3
	*PCT-27	600	600 C.T./150 Split	3MA	2.0 db	13	K	.3
	*PCT-77	600 C.T.	600 C.T.	3MA	2.0 db	2	K	.3
	✓*PCT-78	600	600	3MA	2.0 db	1	K	.3

*1000 Volt Dielectric Strength

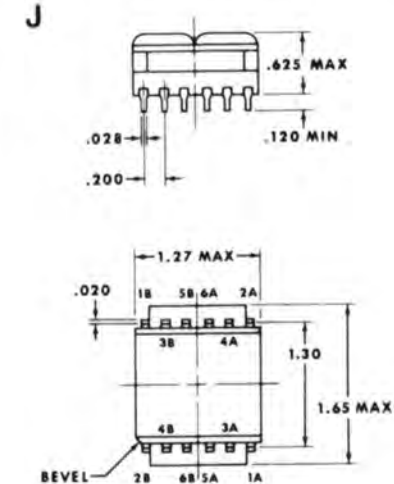
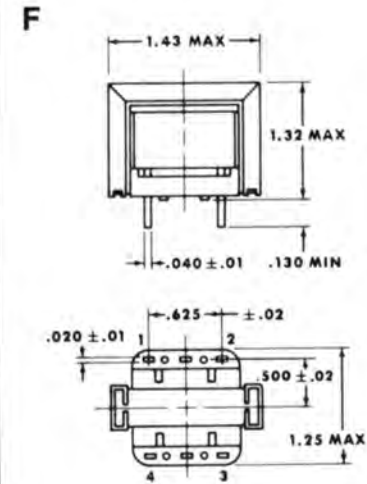
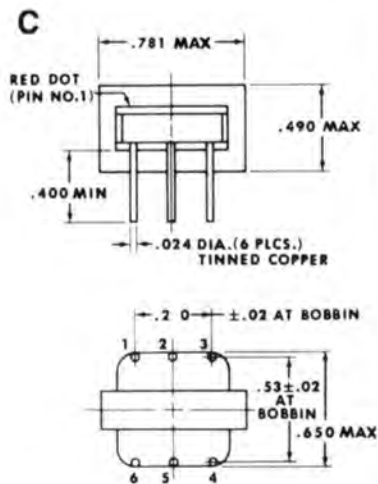
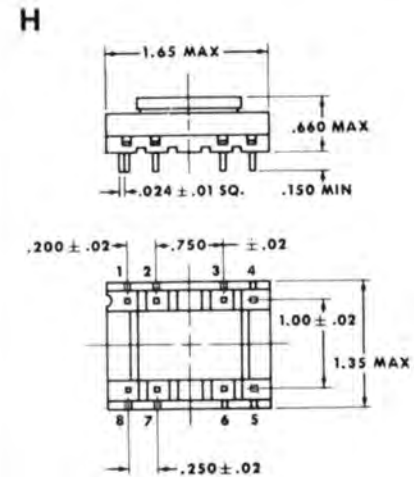
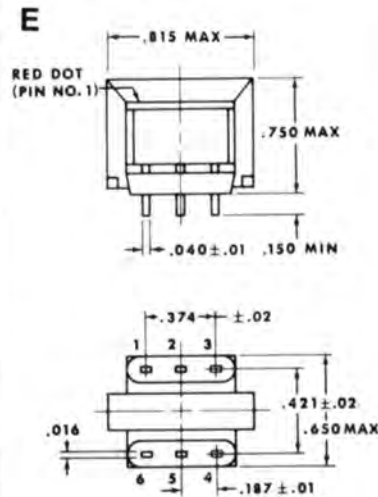
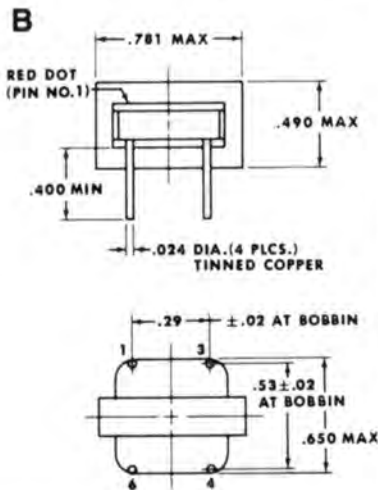
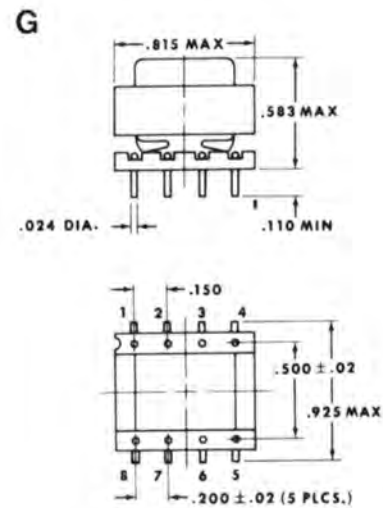
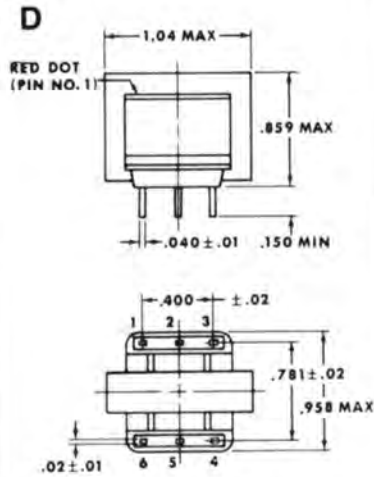
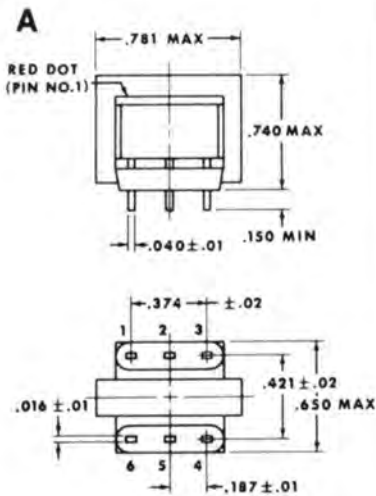
✓ New Item.

TELEPHONE COUPLING TRANSFORMERS

STANCOR

TRANSFORMERS

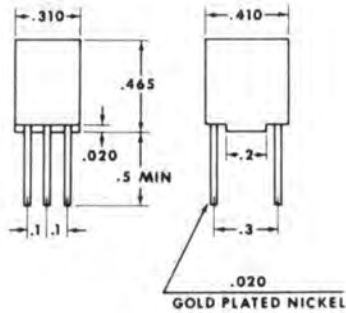
STYLES



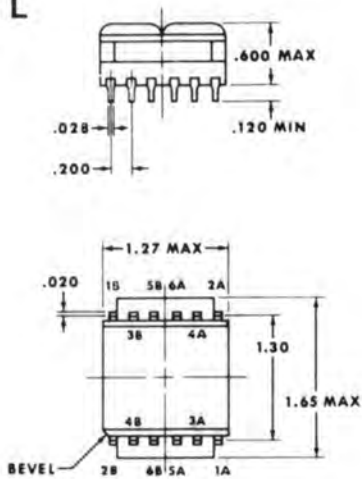
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SCHEMATICS

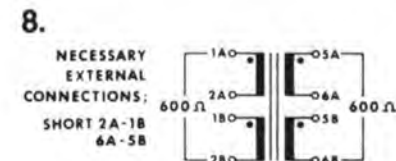
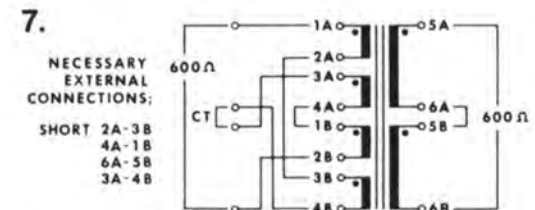
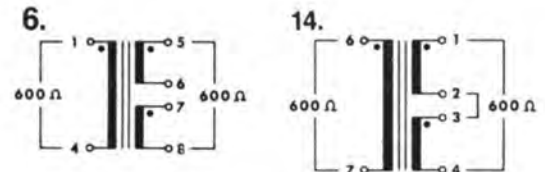
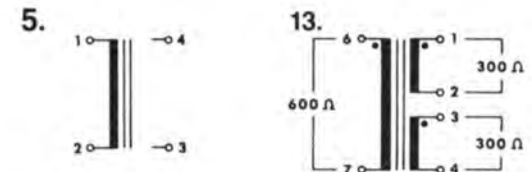
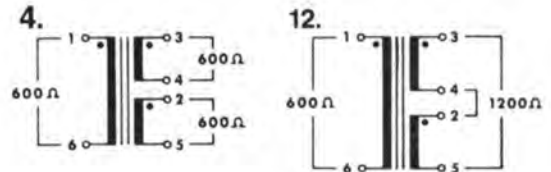
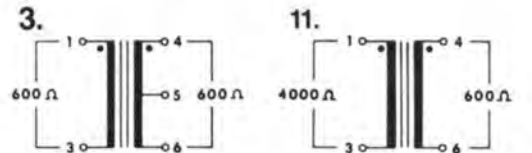
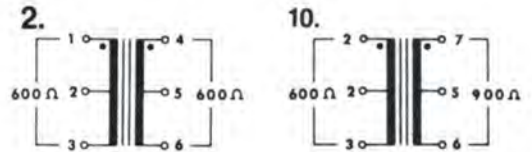
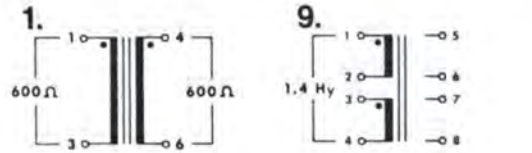
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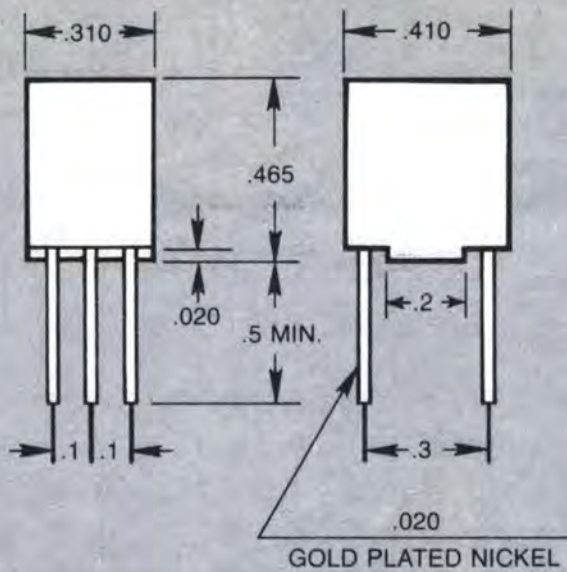


REFER TO TELEPHONE COUPLER
REFERENCE CHART FOR IMPEDENCE
SPECIFICATIONS



MINIATURE ENCAPSULATED TRANSFORMERS AND INDUCTORS

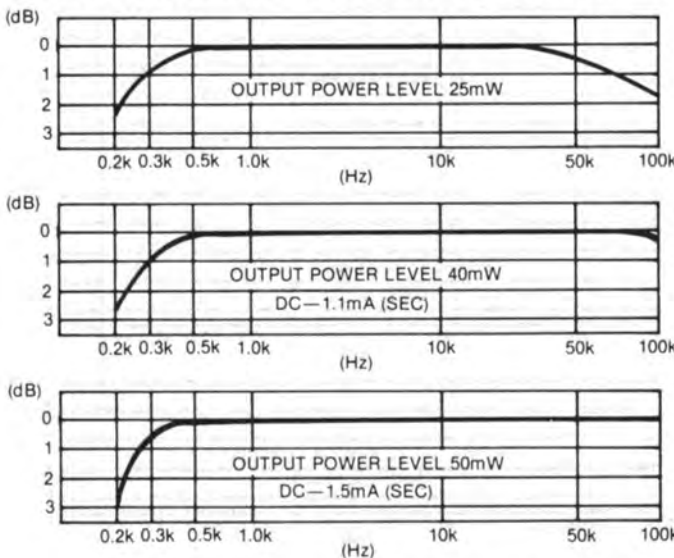
POLYCHROMATRANS: WITH MULTIPLES OF 0.1" GRID SPACING FOR PRINTED CIRCUITS



All PCT series transformers and inductors are designed and constructed to meet the requirements of MIL-T-27. They feature a molded case construction with base mounting pad for maximum lead exit protection and to prevent solder flow back, and allow for easy inspection of solder joints. Their rectangular shape allows the utmost utilization of space and stacking in limited area. The space leads are of fatigue resistant gold plated nickel, are .020" in diameter, .75" long, and have multi-

ples of 0.1" grid spacing for printed circuit application. They meet a 2.0 lb. on axis of pin terminal strength. These transformers, which weigh less than 3.0 grams, offer exceptional performance characteristics for use in all high performance impedance matching circuits requiring miniature magnetic components; including input, interstage, isolation, driver, choke, and output circuit applications.

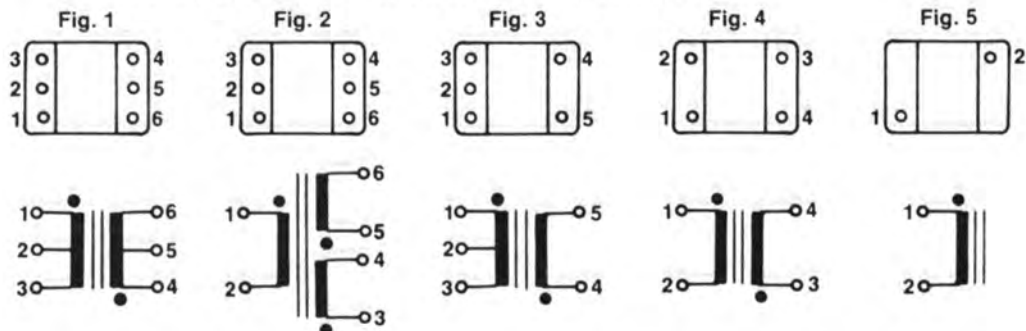
TYPICAL PERFORMANCE CHARACTERISTIC CHARTS



SPECIFICATIONS

- Miniature size 0.310" 0.410" 0.465"
7.87mm 10.4mm 11.8mm
- Meets requirements of MIL-T-27
- Dielectric strength 500 VRMS
- Insulation resistance 10K M OHMS
- Max operating temperature .. 105°C
- Thermal shock 5 cycles -55°C to 105°C
- Response ± 2 db. 300 Hz to 100KHz
- Max distortion 10 to 25% at rated power
- Impedance range 3.2 to 200K OHMS

SERIES SCHEMATIC AND CONNECTION DIAGRAMS



STANCOR

MINIATURE ENCAPSULATED TRANSFORMERS AND INDUCTORS

(Continued From Page 47)

S E C T	STANCOR Part Number	Matching Impedance		Max. Power Level MW at 300 Hz.	Max. MA D.C. Unbal. in Pri.	D.C. Resistance		Turns Ratio		RMS Test Volts	Connector Fig.
		Pri.	Sec.			Pri.	Sec.	Pri.	Sec.		
A	PCT-37	120C.T.	3.2	50	10.0	13	.7	6.12	1.0	500	3
	PCT-36	150	12.0	50	10.0	20	2.5	3.54	1.0	500	4
	PCT-38	300C.T.	12.0	50	7.0	41	3.2	5.00	1.0	500	3
	PCT-35	300C.T.	600	50	7.0	41	98.0	.71	1.0	500	3
	PCT-34	320C.T.	3.2	50	6.0	35	.7	10.00	1.0	500	3
	PCT-33	500	50	50	3.0	55	8.0	3.16	1.0	500	4
	PCT-32	500	500C.T. 125 Split	50	3.0	65	90.0	2.00	1.0/1.0	500	2
	PCT-60	500C.T.	600	50	3.0	65	95.0	.091	1.0	500	3
	PCT-78	600	600	50	3.0	70	95.0	1.00	1.00	1000	4
	PCT-27	600	600C.T. 150 Split	50	3.0	70	95.0	2.00	1.0/1.0	1000	2
	PCT-71	600C.T.	3.2	50	4.5	60	.7	13.70	1.0	500	3
	PCT-30	600C.T.	8.0	50	4.5	60	1.5	8.66	1.0	500	3
	PCT-29	600C.T.	12.0	50	4.5	60	2.5	7.07	1.0	500	3
	PCT-28	600C.T.	250C.T.	50	3.0	70	35.0	1.55	1.0	500	1
	PCT-77	600C.T.	600C.T.	50	3.0	70	95.0	1.00	1.0	1000	1
	PCT-26	800C.T.	3.2	50	3.0	110	.7	15.80	1.0	500	3
	PCT-24	900C.T.	600	50	3.0	80	95.0	1.22	1.0	1000	3
	PCT-22	1,000	50	50	3.0	110	8.0	4.47	1.0	500	4
	PCT-21	1,000C.T.	600C.T.	50	3.0	85	95.0	1.29	1.0	500	1
	PCT-20	1,000C.T.	1,000C.T.	50	3.0	80	100.0	1.00	1.0	500	1
PCT-19	1,200C.T.	3.2	50	3.0	125	.7	19.40	1.0	500	3	
PCT-62	1,500C.T.	600	50	3.0	160	95.0	1.58	1.0	500	3	
PCT-18	1,600C.T.	3.2	50	2.5	168	.8	22.30	1.0	500	3	
B	PCT-41	2,500C.T.	2,500C.T.	40	1.0	280	350.0	1.00	1.0	500	1
	PCT-16	5,000C.T.	2,000C.T.	40	1.0	490	300.0	1.58	1.0	500	1
	PCT-13	8,000C.T.	3.2	40	1.0	1000	.8	50.00	1.0	500	3
	PCT-12	10,000	3.2	40	.5	1200	.8	55.90	1.0	500	4
	PCT-09	10,000	1,200C.T. 300 Split	40	.5	1000	220.0	5.77	1.0/1.0	500	2
	PCT-07	10,000	2,000C.T. 500 Split	40	.5	1000	300.0	4.47	1.0/1.0	500	2
	PCT-40	10,000	10,000C.T. 2,500 Split	40	1.0	1000	625.0	2.00	1.0/1.0	500	2
	PCT-11	10,000C.T.	4.0	40	1.0	1200	1.0	50.00	1.0	500	3
	PCT-39	10,000C.T.	500C.T.	40	1.0	1000	80.0	4.47	1.0	500	1
	PCT-10	10,000C.T.	600C.T.	40	1.0	1000	110.0	4.08	1.0	500	1
	PCT-08	10,000C.T.	1,200C.T.	40	1.0	1000	220.0	2.88	1.0	500	1
	PCT-25	10,000C.T.	1,500C.T.	40	1.0	1000	260.0	2.53	1.0	500	1
	PCT-31	10,000C.T.	2,000C.T.	40	1.0	1000	300.0	2.23	1.0	500	1
	PCT-06	10,000C.T.	4,000C.T.	40	1.0	1000	500.0	1.58	1.0	500	1
PCT-76	10,000C.T.	10,000C.T.	40	1.0	1000	1300.0	1.00	1.0	500	1	
C	PCT-05	20,000C.T.	800C.T.	30	.5	1500	95.0	5.00	1.0	500	1
	PCT-03	25,000	1,000C.T. 250 Split	30	.25	1600	95.0	10.00	1.0/1.0	500	2
	PCT-04	25,000C.T.	600C.T.	30	.5	1600	95.0	6.45	1.0	500	1
	PCT-23	25,000C.T.	1,000C.T.	30	.5	1600	95.0	5.00	1.0	500	1
D	PCT-02	50,000	1,000C.T. 250 Split	25	0	3800	80.0	14.10	1.0/1.0	500	2
	PCT-15	50,000C.T.	1,000C.T.	25	0	3800	90.0	7.07	1.0	500	1
E	PCT-01	100,000C.T.	1,000C.T.	10	0	4300	120.0	10.00	1.0	500	1
	PCT-17	200,000	1,000	15	0	6300	130.0	14.00	1.0	500	4
	PCT-14	200,000C.T.	1,000C.T.	10	0	5300	120.0	14.10	1.0	500	1

SPCT-10 Magnetic Alloy Shield—fits all PCT transformers.

INDUCTORS

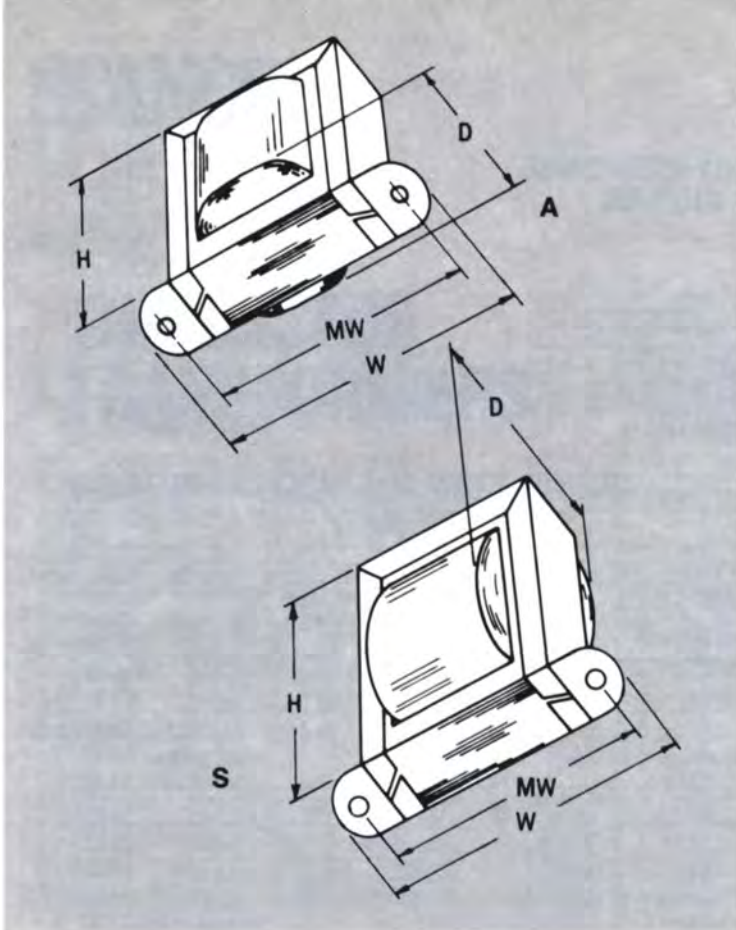
S E C T	STANCOR Part No.	INDUCTANCE Hy(min.) @ 300 Hz.	Q Min. @ 1V. 1000 Hz	D.C. Resistance Ohms	D.C. Current MA	RMS Test Volts	Connection Figure
F	PCT-116	6 @ 15V.	5.0	1800	2.0	500	5
	PCT-118	3.5 @ 5V.	4.0	1200	2.0	500	5
	PCT-117	1.25 @ 3V.	3.5	180	2.0	500	5
	PCT-119	0.3 @ 3V.	3.0	40	4.0	500	5
	PCT-120	0.1 @ 3V.	2.0	15	15	5.0	500

√ New item.

STANCOR

TRANSFORMERS

TRANSISTOR TRANSFORMERS



FOR AUDIO APPLICATIONS: ALL UNITS TERMINATE WITH LEADS, MINIMUM LENGTH 4 INCHES.

S E C T	STANCOR Part No.	Style	Application	Impedance in Ohms		Max. Pri. DCMA	Audio Watts	DC Res. in Ohms		Dimensions-Inches					Wt. Lbs.
				Pri.	Sec.			Pri.	Sec.	Case			Mounting		
										H	W	D	MW	MD	
A	TA-1	A	Input	600 C.T.	10	20	.05	42.0	.8	¹³ / ₁₆	1 ⁵ / ₈	1	1 ³ / ₈	—	.07
	TA-2	A	Interstage	100 C.T.	10 C.T.	100	.25	4.3	.8	1 ¹ / ₄	2 ¹ / ₈	1 ¹ / ₂	1 ³ / ₄	—	.25
	TA-3	A	Interstage	100	1000 C.T.	100	.25	5.8	45.0	1 ³ / ₈	2 ³ / ₈	1 ¹ / ₂	2	—	.35
	TA-4	A	Interstage	500 C.T.	5000 C.T.	12	.03	37.0	250.0	1 ³ / ₈	2 ³ / ₈	1 ⁵ / ₈	2	—	.35
	TA-5	A	Driver	1000	200 C.T.	10	.05	400.0	115.0	¹¹ / ₁₆	1 ⁵ / ₁₆	⁹ / ₈	1 ¹ / ₁₆	—	.05
	TA-6	A	Driver	2000	200 C.T.	5	.05	720.0	115.0	¹¹ / ₁₆	1 ⁵ / ₁₆	⁹ / ₈	1 ¹ / ₁₆	—	.05
B	TA-7	A	Driver	100	100 C.T.	100	.05	12.0	12.0	1 ⁵ / ₈	2 ⁷ / ₈	1 ⁵ / ₈	2 ³ / ₈	—	.60
	TA-9	A	Output	1000	16/8/4	10	.02	180.0	3.5	¹³ / ₁₆	1 ⁵ / ₈	⁷ / ₈	1 ³ / ₈	—	.07
	TA-10	A	Output	2000 C.T.	16/8/4	—	.02	250.0	4.0	¹³ / ₁₆	1 ⁵ / ₈	⁷ / ₈	1 ³ / ₈	—	.08
	TA-11	A	Output	48 C.T.	16/8	275	5.0	5.0	1.5	2	3 ¹ / ₄	1 ⁷ / ₈	2 ¹³ / ₁₆	—	1.0
C	TA-12	A	Output	20 C.T.	8	500	10.0	.55	.35	1 ³ / ₈	2 ³ / ₈	1 ⁵ / ₈	2	—	.45
	TA-56	S†	Output	48 C.T.	16/8/3.2	550	10.0	3.6	1.4	2 ³ / ₈	2 ⁷ / ₈	1 ³ / ₄	2 ³ / ₈	—	.90
	TA-57	S	Output	100 C.T.	16/8/3.2	500	10.0	6.6	1.5	2 ³ / ₈	2 ⁷ / ₈	1 ⁷ / ₈	2 ³ / ₈	—	.95
D	TA-58	A	Driver	100	200 C.T.	200	.5	6.5	15.5	1 ¹ / ₄	2 ¹ / ₈	1 ³ / ₈	1 ³ / ₄	—	.20
	TA-59	A	Driver	500 C.T.	200 C.T.	50	.5	36.5	15.5	1 ¹ / ₄	2 ¹ / ₈	1 ³ / ₈	1 ³ / ₄	—	.20

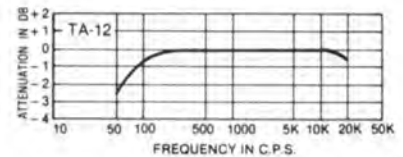
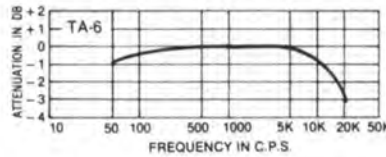
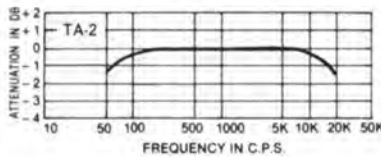
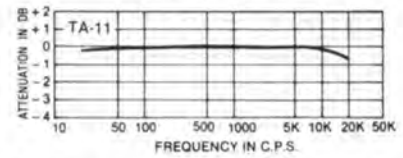
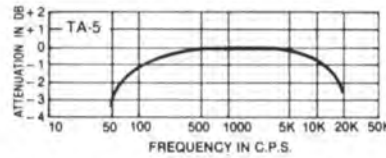
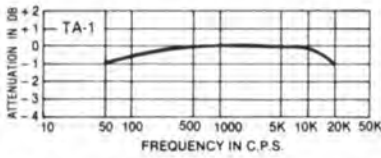
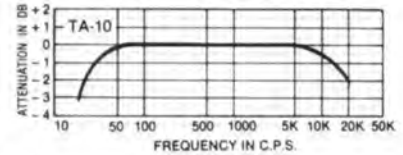
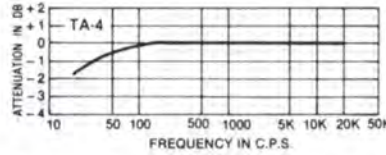
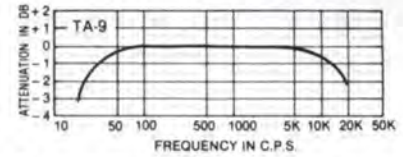
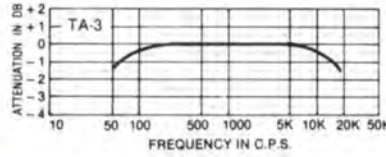
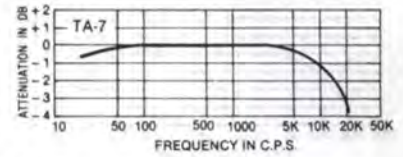
†Has Lugs on Secondary.

STANCOR

TRANSFORMERS

TYPICAL FREQUENCY RESPONSE CHARACTERISTICS CURVES

TRANSISTOR TRANSFORMERS



MINIATURE AUDIOS .150 WATT GROUP

Dimensions: $2\frac{1}{32}$ "H x $1\frac{3}{16}$ "W x $\frac{5}{8}$ "D.

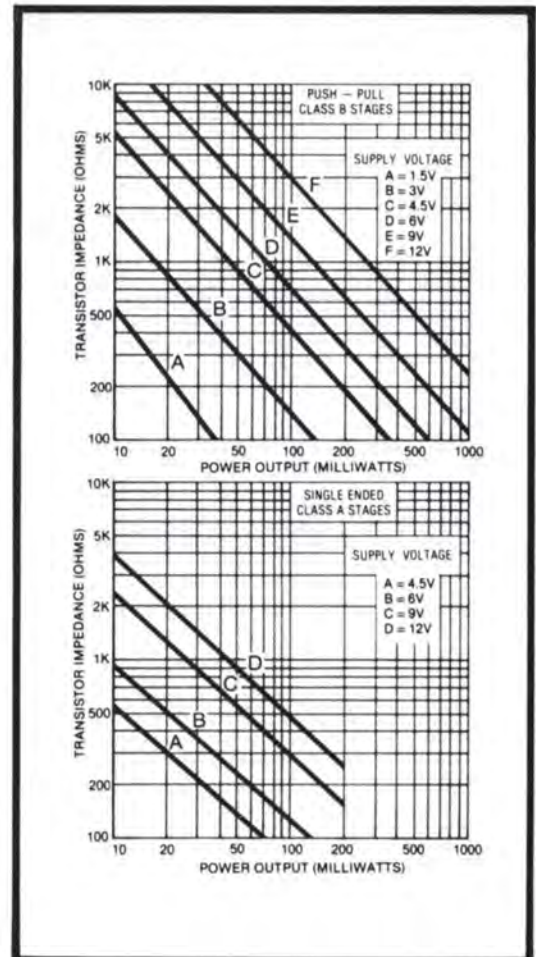
Mounting tabs: $\frac{3}{16}$ " wide, $\frac{25}{32}$ " centers.

Weight: .65 oz.



S.E.C.	STANCOR Part No.	Application	Turns Ratio Pri. to Sec.	Impedance in Ohms		D.C. Res. in Ohms		Power Level (MW)
				Pri.	Sec.	Pri.	Sec.	
A	TA-18	Input	1:45.4	30C.T.	50000	14.7	4060	150
	TA-19	Interstage	3.08:1	100C.T.	10C.T.	19.0	1.27	150
	TA-20	Output	5.22:1	350C.T.	4/12	38.0	1.45	150
	TA-21	Output	5.53:1	500C.T.	4/8/16	75.3	3.55	150
	TA-22	Interstage	3.16:1	500C.T.	50	59.7	7.9	150
	TA-23	Output	5.65:1	600C.T.	4/8/16	73.2	3.2	150
B	TA-24	Interstage	10.0:1	500C.T.	50000	76.8	5135.	150
	TA-25	Output	6.75:1	825C.T.	4/8/16	74.0	2.7	150
	TA-26	Output	9.80:1	1250	4/12	132.5	1.4	150
	TA-27	Interstage	1:4.08	1200	20000C.T.	142.0	1860.	150
	TA-28	Interstage	1.65:1	1500	500C.T.	104.0	46.5	150
TA-29	Output	11.8:1	2500	4/16	370.0	2.3	150	
C	TA-30	Interstage	1:1.22	5000C.T.	7500C.T.	650.	790.	150
	TA-31	Interstage	1:1.41	5000C.T.	10000C.T.	635.	825.	150
	TA-53	Interstage	1:3	5000C.T.	45000	310.	1400.	150
	TA-32	Interstage	1:4	5000C.T.	80000C.T.	500.	5200.	150
	TA-33	Output	24.6:1	10000C.T.	4/8/16	1174.	2.6	150
TA-34	Interstage	6.97:1	10000C.T.	200C.T.	1200.	25.0	150	
D	TA-35	Interstage	2.24:1	10000	20000C.T.	1200.	257.	150
	TA-36	Interstage	1.83:1	10000	3000C.T.	1200.	285.	150
	TA-54	Interstage	5:1	20000	800C.T.	1350.	95.0	150
	TA-37	Output	5.55:1	400C.T.	11	71.5	1.5	150
TA-38	Interstage	1.72:1	500C.T.	150C.T.	62.0	21.2	150	

Lead Length: 4 inches



STANCOR

TRANSISTOR TRANSFORMERS

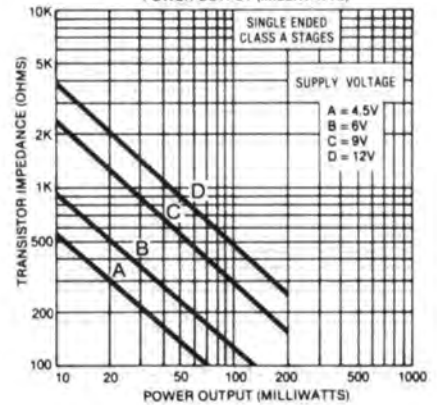
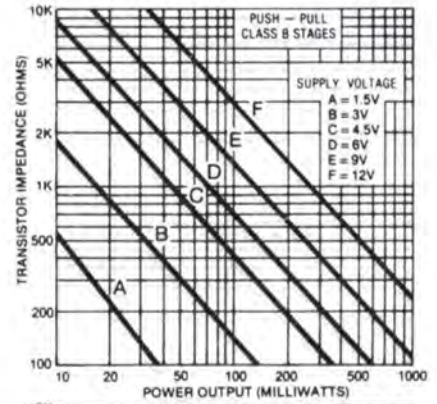


MINIATURE AUDIOS .300 WATT GROUP

Dimensions: 1 1/16" H x 1 1/8" W x 3/4" D. Mounting Centers: 1 3/8".

Weight: 1.2 oz.

CLASS	STANCOR Part No.	Application	Turns Ratio Pri. to Sec.	Impedance in Ohms		DC Res. in Ohms	
				Pri.	Sec.	Pri.	Sec.
A	TA-39	Output	2.5:1	100 C.T.	4, 8, 16	10.9	1.45
	TA-40	Output	3.27:1	160	4, 8, 16	18.7	1.4
	TA-41	Output	5.00:1	400 C.T.	4, 8, 16	34.	1.5
	TA-42	Output	5.60:1	500 C.T.	4, 8, 16	47.	.85
	TA-52	Interstage	1:1	500 C.T.	500 C.T.	40.	55.
	TA-43	Output	6.63:1	700 C.T.	4, 8, 16	77.	1.15
B	TA-44	Output	12.5:1	2500	4, 8, 16	172.	1.15
	TA-45	Output	13.7:1	3000	4, 8, 16	192.	1.2
	TA-46	Interstage	8.17:1	100000	1500 C.T.	3250.	143.
	TA-55	Input	50:1	500000	200 C.T.	12000.	18.
	TA-47	Input	1.00:14.1	1000 C.T.	200000 C.T.	123.	1815.
	TA-63	Driver	3.17:1	20000 C.T.	2000 C.T.	2140.	325.



MINIATURE AUDIOS FOR PRINTED CIRCUITS .150 WATT GROUP (FIG. A)

CLASS	STANCOR Part No.	Application	Turns Ratio Pri. to Sec.	Impedance in Ohms		DC Res. in Ohms	
				Pri.	Sec.	Pri.	Sec.
C	TAPC-28	Interstage	1.65:1	1500 C.T.	500 C.T.	104	46.5
	TAPC-31	Interstage	1.00:1.41	5000 C.T.	10000 C.T.	635	825.
	TAPC-32	Interstage	1.00:4	5000 C.T.	80000 C.T.	500	5200.
	TAPC-34	Interstage	6.97:1	10000	200 C.T.	1200	25.
	TAPC-35	Interstage	2.24:1	10000	2000 C.T.	1200	257.
	TAPC-36	Interstage	1.83:1	10000	3000 C.T.	1200	385.
	TAPC-38	Interstage	1.72:1	500 C.T.	150 C.T.	62	21.2

Weight: .65 oz.

.300 WATT GROUP (FIG. B)

CLASS	STANCOR Part No.	Application	Turns Ratio Pri. to Sec.	Impedance in Ohms		DC Res. in Ohms	
				Pri.	Sec.	Pri.	Sec.
D	TAPC-47	Input	1:14.1	1000 C.T.	200000 C.T.	123	1815
	TAPC-52	Interstage	1:1	500 C.T.	500 C.T.	40	55
	TAPC-63	Driver	3.17:1	20000 C.T.	2000 C.T.	2140	325

Weight: 1.2 oz.

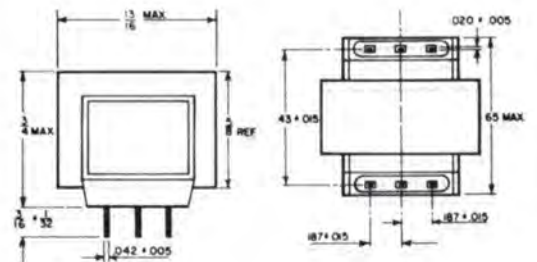


Fig. A

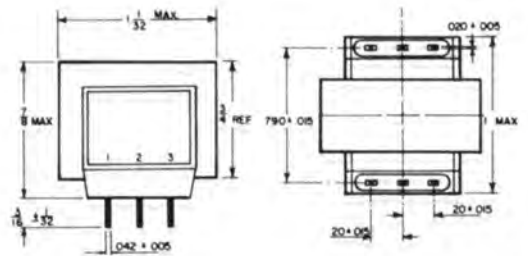


Fig. B

STANCOR DIRECTORY

Name, Address and Phone Number of Nearest
STANCOR DISTRIBUTORS

NAME	ADDRESS	PHONE
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
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_____	_____	_____

Name, Address and Phone Number of
STANCOR REPRESENTATIVE

NAME	ADDRESS	PHONE
_____	_____	_____
_____	_____	_____

NOTES

STANCOR WAREHOUSES:

- LOGANSPORT, IN 46947, 131 GODFREY ST., PHONE (219) 722-2244
- SANTA FE SPRINGS, CA 90670, 10111 FREEMAN AVE., PHONE (213) 944-0633

STANCOR[®]

TRANSFORMERS



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