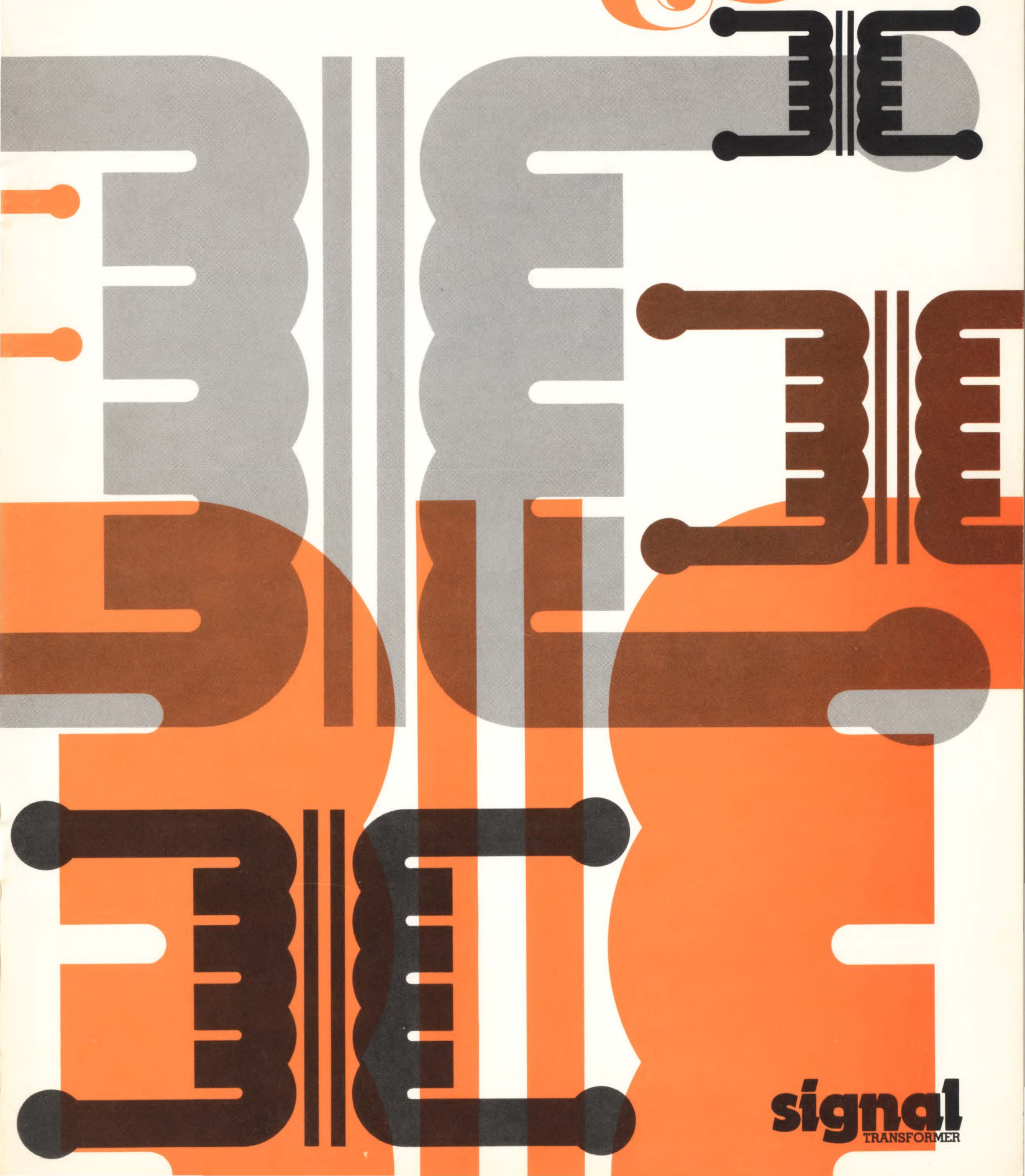


9/21/77
TRANSFORMERS & CHOKES

CATALOG G-2



signal
TRANSFORMER

THE SIGNAL WAY OF DOING BUSINESS



PRONTO 48-Hour Shipment

We have long recognized that, in most instances, engineers and buyers need immediate delivery of transformers and chokes. To meet this challenge, Signal maintains an extensive inventory of every item in this catalog—over 1,000 different transformers and chokes. More importantly, we're dedicated to shipping out each and every order (1-4 pieces guaranteed) within 48 hours, and we can usually fill your entire order. We call this service "PRONTO". Last year we shipped over 10,000 such orders and we didn't disappoint anyone.

How and Why We Are Able to Maintain Our Low Price Policy

At Signal, we sell direct. There are no salesmen or distributors—no middlemen, no extra mark-ups. We pass the savings on to you. We answer your questions directly. There is no chance of misinterpretation and you get fast accurate answers. We maintain larger inventories than any distribu-

tors could. We're able to react to your order requirements more quickly and efficiently. These savings have enabled us to install modern machinery, specify better materials and continuously invest in new R & D. In this manner our prices are kept as low as possible. We both profit from this policy.

Advanced Technology and Innovation

The basic transformer concept and design has been with us for many years. But, the state-of-the-art in electronics has changed drastically in the last 20 years, especially the last ten. We now live in a digital as well as analog world. Circuit size has shrunk and new termination methods have evolved. Again, Signal has recognized the need to develop new designs to meet these new low weight and height constraints. The result has been the development of such new and exclusive products as the SPLIT/TRAN® (see opposite page), the miniature PC board transformer featuring non-concentric windings which result in high isolation and the elimination of the need for electro-static shielding. The FLATHEAD®, which has a height of only 0.85", is still another example of creative innovation. Therefore, what many of our competitors call custom designs (matched by custom prices) often turn out to be a Signal standard product. You can depend on Signal to have the products you need when you're ready for them and, of course, always in stock.

Custom Requirements Are Welcome

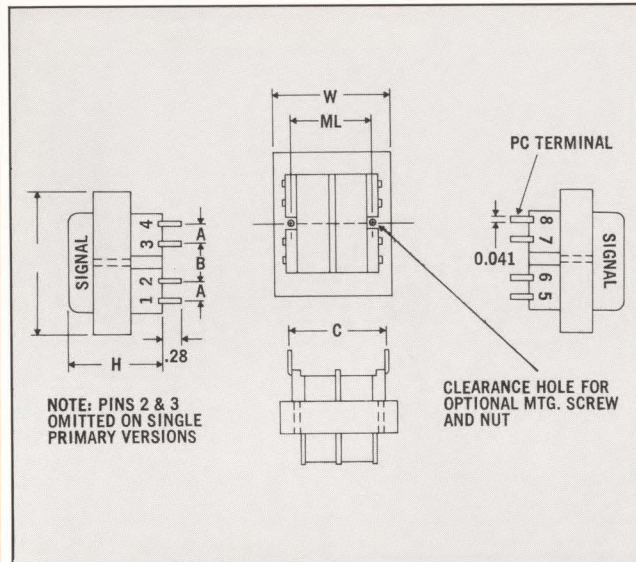
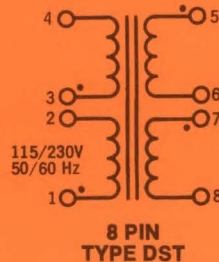
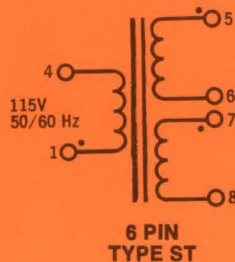
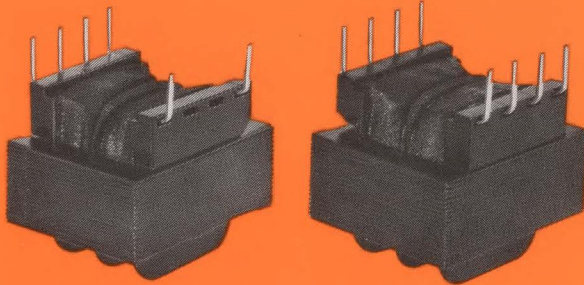
We also recognize that no matter how hard we try, it is impossible to anticipate everyone's need. Therefore, we are eager to discuss and evaluate your transformer and choke requirements. If we can't recommend a standard product that will do the job and save you money and time, we'll gladly quote on your requirement. Many times all that is needed is a modification of one of our standards. Again, you will get consistently high quality and very competitive prices, whether your order is for 10 or 10,000 pieces. We don't have anyone out in the field telling you how good we are. We have to prove it to you by deed. Thank you for considering Signal.

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signal
TRANSFORMER

split/tran[®] p.c. board transformers

SPLIT BOBBIN — HIGHLY ISOLATED



Size	VA	L	W	H	ML	A	B	C	Optional Mtg. Screw & Nut*	Lbs.
3	2.4	1 1/8	1 1/8	1 1/8	1 1/8	.250	.250	1.200	None	0.25
4	6	1 1/8	1 1/8	1 1/8	1 1/8	.250	.350	1.280	4-40 x 1 1/8 Nylon	0.44
5	12	1 7/8	1 1/8	1 1/8	1 1/4	.300	.400	1.410	4-40 x 1 1/8 Nylon	0.70
6	20	2 1/4	1 7/8	1 1/8	1 1/2	.300	.400	1.600	4-40 x 1 1/8 Nylon	0.80

* Available from Signal: Part No. ST-MS (Screw) & Part No. ST-MN (Nut).

"Split-Tran" transformers combine the best features of our "2-4-1" Series and Signal's pioneering line of pc board miniature transformers.

The use of a "split bobbin" allows the primaries and secondaries to be wound non-concentrically, i.e., side by side rather than one over the other. This results in cost savings and superior performance, namely:

- High isolation — 2500V hipot is standard.
- Low capacitive coupling — no electro-static shield necessary.
- Less manufacturing time — no cross-overs of primary and secondary leads.
- PC pins — allow direct insertion in PC boards.

Each transformer is available with single 115V or dual 115/230V primaries. In addition, secondaries are split so that they can be series or parallel connected.

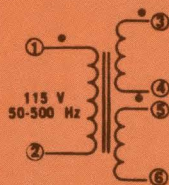
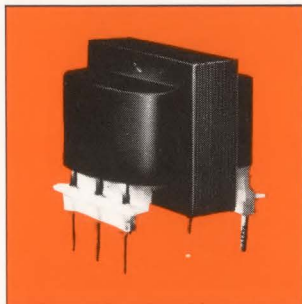
Special variations will be quoted and shipped promptly.

PART NUMBER*		SECONDARY RMS RATING	
Single 115V 6 Pin	Dual 115/230V 8 Pin	Series	Parallel
ST 3-10	DST 3-10	10V C.T. @ 0.25A	5V @ 0.5A
ST 4-10	DST 4-10	10V C.T. @ 0.6A	5V @ 1.2A
ST 5-10	DST 5-10	10V C.T. @ 1.2A	5V @ 2.4A
ST 6-10	DST 6-10	10V C.T. @ 2A	5V @ 4A
ST 3-12	DST 3-12	12.6V C.T. @ 0.2A	6.3V @ 0.4A
ST 4-12	DST 4-12	12.6V C.T. @ 0.5A	6.3V @ 1.0A
ST 5-12	DST 5-12	12.6V C.T. @ 1.0A	6.3V @ 2.0A
ST 6-12	DST 6-12	12.6V C.T. @ 1.6A	6.3V @ 3.2A
ST 3-16	DST 3-16	16V C.T. @ 0.15A	8V @ 0.3A
ST 4-16	DST 4-16	16V C.T. @ 0.4A	8V @ 0.8A
ST 5-16	DST 5-16	16V C.T. @ 0.8A	8V @ 1.6A
ST 6-16	DST 6-16	16V C.T. @ 1.25A	8V @ 2.5A
ST 3-20	DST 3-20	20V C.T. @ 0.12A	10V @ 0.24A
ST 4-20	DST 4-20	20V C.T. @ 0.3A	10V @ 0.6A
ST 5-20	DST 5-20	20V C.T. @ 0.6A	10V @ 1.2A
ST 6-20	DST 6-20	20V C.T. @ 1A	10V @ 2A
ST 3-24	DST 3-24	24V C.T. @ 0.1A	12V @ 0.2A
ST 4-24	DST 4-24	24V C.T. @ 0.25A	12V @ 0.5A
ST 5-24	DST 5-24	24V C.T. @ 0.5A	12V @ 1.0A
ST 6-24	DST 6-24	24V C.T. @ 0.8A	12V @ 1.6A
ST 3-28	DST 3-28	28V C.T. @ 0.085A	14V @ 0.17A
ST 4-28	DST 4-28	28V C.T. @ 0.2A	14V @ 0.4A
ST 5-28	DST 5-28	28V C.T. @ 0.42A	14V @ 0.84A
ST 6-28	DST 6-28	28V C.T. @ 0.7A	14V @ 1.4A
ST 3-36	DST 3-36	36V C.T. @ 0.065A	18V @ 0.13A
ST 4-36	DST 4-36	36V C.T. @ 0.17A	18V @ 0.34A
ST 5-36	DST 5-36	36V C.T. @ 0.35A	18V @ 0.7A
ST 6-36	DST 6-36	36V C.T. @ 0.55A	18V @ 1.1A
ST 3-48	DST 3-48	48V C.T. @ 0.05A	24V @ 0.1A
ST 4-48	DST 4-48	48V C.T. @ 0.125A	24V @ 0.25A
ST 5-48	DST 5-48	48V C.T. @ 0.25A	24V @ 0.5A
ST 6-48	DST 6-48	48V C.T. @ 0.4A	24V @ 0.8A
ST 3-56	DST 3-56	56V C.T. @ 0.045A	28V @ 0.09A
ST 4-56	DST 4-56	56V C.T. @ 0.11A	28V @ 0.22A
ST 5-56	DST 5-56	56V C.T. @ 0.22A	28V @ 0.44A
ST 6-56	DST 6-56	56V C.T. @ 0.35A	28V @ 0.7A
ST 3-120	DST 3-120	120V C.T. @ 0.02A	60V @ 0.04A
ST 4-120	DST 4-120	120V C.T. @ 0.05A	60V @ 0.1A
ST 5-120	DST 5-120	120V C.T. @ 0.1A	60V @ 0.2A
ST 6-120	DST 6-120	120V C.T. @ 0.16A	60V @ 0.32A

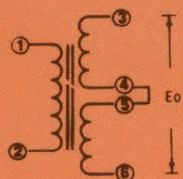
* Explanation of Part Number: Series - ST; Size 4; Series Secondary Volts - 36

miniature plug in power transformers

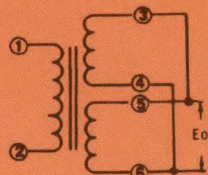
SINGLE 115V PRIMARY TYPE PC 6 PINS



BASIC SCHEMATIC



SERIES CONNECTED

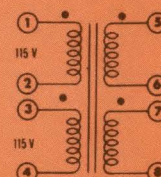
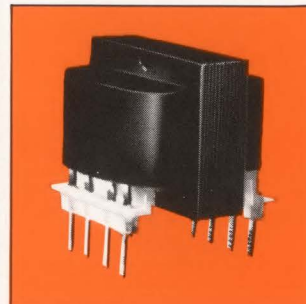


PARALLEL CONNECTED

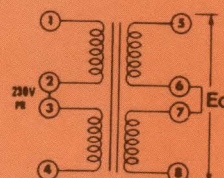
PRIMARY 50/500 Hz		SECONDARY RMS RATING*		Size (VA)
Single 115V (6 Pin)	Dual 115/230V (8 Pin)	Series	Parallel	
PC 10-90	DPC 10-90	10V C.T. @ 90MA	5V @ 180MA	1.0
PC 10-120	DPC 10-120	10V C.T. @ 120MA	5V @ 240MA	1.2
PC 10-440	DPC 10-440	10V C.T. @ 440MA	5V @ 880MA	4.4
PC 10-1000	DPC 10-1000	10V C.T. @ 1A	5V @ 2A	10
PC 10-2400	DPC 10-2400	10V C.T. @ 2.4A	5V @ 4.8A	24
PC 12-70	DPC 12-70	12.6V C.T. @ 70MA	6.3V @ 140MA	1.0
PC 12-100	DPC 12-100	12.6V C.T. @ 100MA	6.3V @ 200MA	1.2
PC 12-350	DPC 12-350	12.6V C.T. @ 350MA	6.3V @ 700MA	4.4
PC 12-800	DPC 12-800	12.6V C.T. @ 800MA	6.3V @ 1.6A	10
PC 12-2000	DPC 12-2000	12.6V C.T. @ 2A	6.3V @ 4A	24
PC 16-55	DPC 16-55	16V C.T. @ 55MA	8V @ 110MA	1.0
PC 16-75	DPC 16-75	16V C.T. @ 75MA	8V @ 150MA	1.2
PC 16-260	DPC 16-260	16V C.T. @ 260MA	8V @ 520MA	4.4
PC 16-640	DPC 16-640	16V C.T. @ 640MA	8V @ 1.28A	10
PC 16-1500	DPC 16-1500	16V C.T. @ 1.5A	8V @ 3A	24
PC 20-45	DPC 20-45	20V C.T. @ 45MA	10V @ 90MA	1.0
PC 20-60	DPC 20-60	20V C.T. @ 60MA	10V @ 120MA	1.2
PC 20-220	DPC 20-220	20V C.T. @ 220MA	10V @ 440MA	4.4
PC 20-500	DPC 20-500	20V C.T. @ 500MA	10V @ 1A	10
PC 20-1200	DPC 20-1200	20V C.T. @ 1.2A	10V @ 2.4A	24
PC 24-35	DPC 24-35	24V C.T. @ 35MA	12V @ 70MA	1.0
PC 24-50	DPC 24-50	24V C.T. @ 50MA	12V @ 100MA	1.2
PC 24-180	DPC 24-180	24V C.T. @ 180MA	12V @ 360MA	4.4
PC 24-450	DPC 24-450	24V C.T. @ 450MA	12V @ 900MA	10
PC 24-1000	DPC 24-1000	24V C.T. @ 1A	12V @ 2A	24
PC 28-30	DPC 28-30	28V C.T. @ 30MA	14V @ 60MA	1.0
PC 28-40	DPC 28-40	28V C.T. @ 40MA	14V @ 80MA	1.2
PC 28-160	DPC 28-160	28V C.T. @ 160MA	14V @ 320MA	4.4
PC 28-360	DPC 28-360	28V C.T. @ 360MA	14V @ 720MA	10
PC 28-800	DPC 28-800	28V C.T. @ 800MA	14V @ 1.6A	24
PC 34-25	DPC 34-25	34V C.T. @ 25MA	17V @ 50MA	1.0
PC 34-35	DPC 34-35	34V C.T. @ 35MA	17V @ 70MA	1.2
PC 34-125	DPC 34-125	34V C.T. @ 125MA	17V @ 250MA	4.4
PC 34-300	DPC 34-300	34V C.T. @ 300MA	17V @ 600MA	10
PC 34-700	DPC 34-700	34V C.T. @ 700MA	17V @ 1.4A	24
PC 40-20	DPC 40-20	40V C.T. @ 20MA	20V @ 40MA	1.0
PC 40-30	DPC 40-30	40V C.T. @ 30MA	20V @ 60MA	1.2
PC 40-110	DPC 40-110	40V C.T. @ 110MA	20V @ 220MA	4.4
PC 40-250	DPC 40-250	40V C.T. @ 250MA	20V @ 500MA	10
PC 40-600	DPC 40-600	40V C.T. @ 600MA	20V @ 1.2A	24
PC 56-15	DPC 56-15	56V C.T. @ 15MA	28V @ 30MA	1.0
PC 56-20	DPC 56-20	56V C.T. @ 20MA	28V @ 40MA	1.2
PC 56-80	DPC 56-80	56V C.T. @ 80MA	28V @ 160MA	4.4
PC 56-180	DPC 56-180	56V C.T. @ 180MA	28V @ 360MA	10
PC 56-420	DPC 56-420	56V C.T. @ 420MA	28V @ 840MA	24
PC 88-10	DPC 88-10	88V C.T. @ 10MA	44V @ 20MA	1.0
PC 88-15	DPC 88-15	88V C.T. @ 15MA	44V @ 30MA	1.2
PC 88-50	DPC 88-50	88V C.T. @ 50MA	44V @ 100MA	4.4
PC 88-120	DPC 88-120	88V C.T. @ 120MA	44V @ 240MA	10
PC 88-270	DPC 88-270	88V C.T. @ 270MA	44V @ 540MA	24
PC 120-8	DPC 120-8	120V C.T. @ 8MA	60V @ 16MA	1.0
PC 120-10	DPC 120-10	120V C.T. @ 10MA	60V @ 20MA	1.2
PC 120-35	DPC 120-35	120V C.T. @ 35MA	60V @ 70MA	4.4
PC 120-85	DPC 120-85	120V C.T. @ 85MA	60V @ 170MA	10
PC 120-200	DPC 120-200	120V C.T. @ 200MA	60V @ 400MA	24
PC 180-6	DPC 180-6	180V C.T. @ 6MA	90V @ 12MA	1.2
PC 180-24	DPC 180-24	180V C.T. @ 24MA	90V @ 48MA	4.4
PC 180-55	DPC 180-55	180V C.T. @ 55MA	90V @ 110MA	10
PC 180-130	DPC 180-130	180V C.T. @ 130MA	90V @ 260MA	24
PC 230-5	DPC 230-5	230V C.T. @ 5MA	115V @ 10MA	1.2
PC 230-20	DPC 230-20	230V C.T. @ 20MA	115V @ 40MA	4.4
PC 230-40	DPC 230-40	230V C.T. @ 40MA	115V @ 80MA	10
PC 230-100	DPC 230-100	230V C.T. @ 100MA	115V @ 200MA	24

* See Table on opposite page for method of determining RMS Secondary Current.

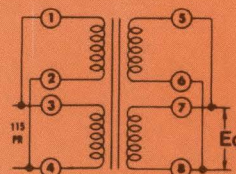
DUAL 115/230V PRIMARY TYPE DPC 8 PINS



BASIC SCHEMATIC



SERIES CONNECTED



PARALLEL CONNECTED

for printed circuits applications

Signal has the most complete and diversified selection of miniature plug-in power transformers. All items are stocked in depth for immediate off-the-shelf delivery.

Primary ratings of 115V (Style PC - 6 Pin) or Dual 115/230V (Style DPC - 8 Pin) are standard for the entire line. 1000V. Hipot is standard.

Size 1.0 is used extensively where height is a limiting factor since its height of 0.83 inches allows 1 inch spacing of PC boards. Size 24 is unusual since 24 watt PC transformers are not readily available, especially with a height of 1 3/8 inches.

The RMS current ratings are based on a load regulation of 15-20% and not on temperature rise (except for the largest item, size 24). Therefore, these ratings may be exceeded without overheating, if the additional drop in full load voltage is acceptable. There is, of course, a limit and it would be best to check with our engineering department on specific units.

BLACK DOT ON LABEL INDICATES POSITION OF TERMINAL #1.



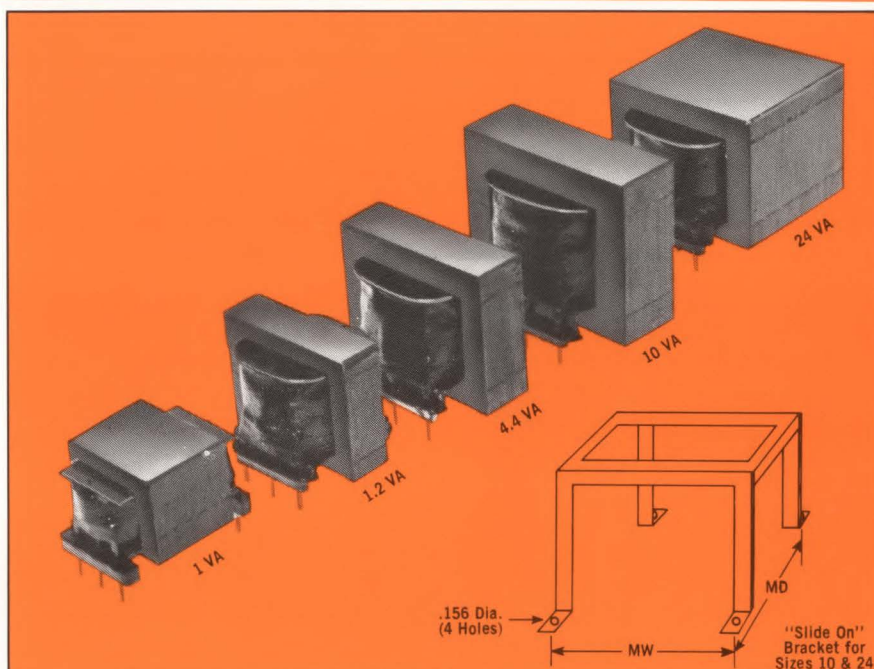
SIZE 24
(24VA) UNIT
WITH 24-BR
SLIDE-ON
MOUNTING BRACKET

METHOD OF DETERMINING SECONDARY CURRENT RATINGS

The secondary currents shown in the tables are RMS ratings. Depending upon rectifier circuit configurations, the RMS secondary current is different than the DC output current. This is indicated in the chart below:

Rectifier Type	Filter Type	RMS Secondary Current Is
Full Wave Center-Tap	Choke Input	= 0.7 x DC Amps
Full Wave Center-Tap	Capacitor Input	= 1 to 1.2 x DC Amps
Full Wave Bridge	Choke Input	= DC Amps
Full Wave Bridge	Capacitor Input	= 1.6 to 1.8 x DC Amps

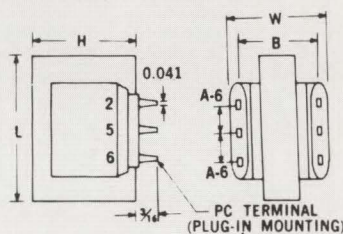
For example, in a F.W. Bridge circuit with a capacitive filter, if the load is 1 Amp DC, the RMS Secondary current is 1.6 to 1.8 Amp RMS.



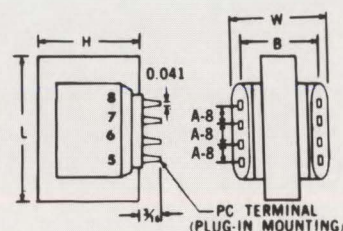
DIMENSIONS

Size (VA)	L	W	H	A-6 (6 Pin)	A-8 (8 Pin)	B	WT. (oz.)	OPTIONAL BRACKET*		
								No.	MW	MD
1.0	1	1 3/8	0.83	0.250	0.200	1.200	2.5	—	—	—
1.2	1 3/8	1 1/8	1 3/16	0.312	0.200	1.000	3	—	—	—
4.4	1 5/8	1 1/4	1 3/8	0.400	0.250	1.100	5	—	—	—
10	1 7/8	1 7/8	1 5/8	0.400	0.250	1.300	9	10-BR	1 1/4	1 1/8
24	1 5/8	2 1/4	1 3/8	0.400	0.250	2.100	12	24-BR	1 3/8	2

* An optional "Slide On" Mounting Bracket is available for sizes 10 and 24. The brackets do not use up any extra "Floor Space" but add 1/32" to the height of the transformer.



TYPE PC 6 PINS



TYPE DPC 8 PINS

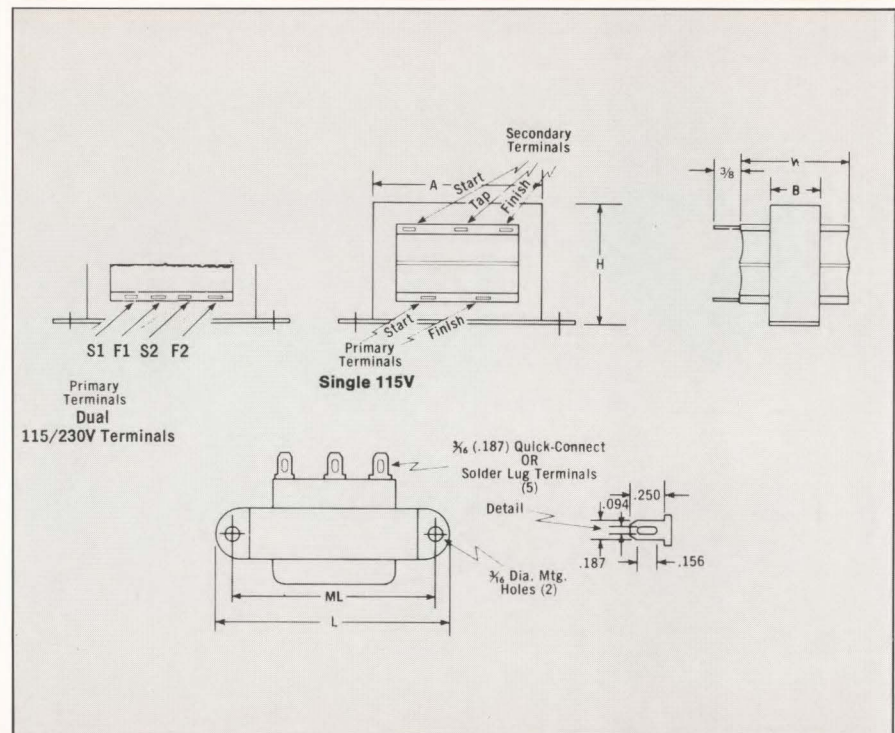
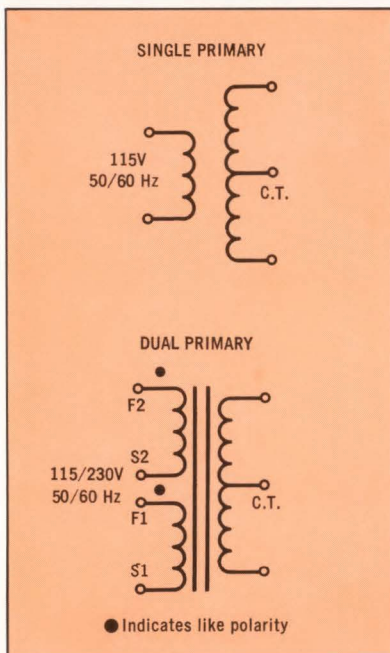
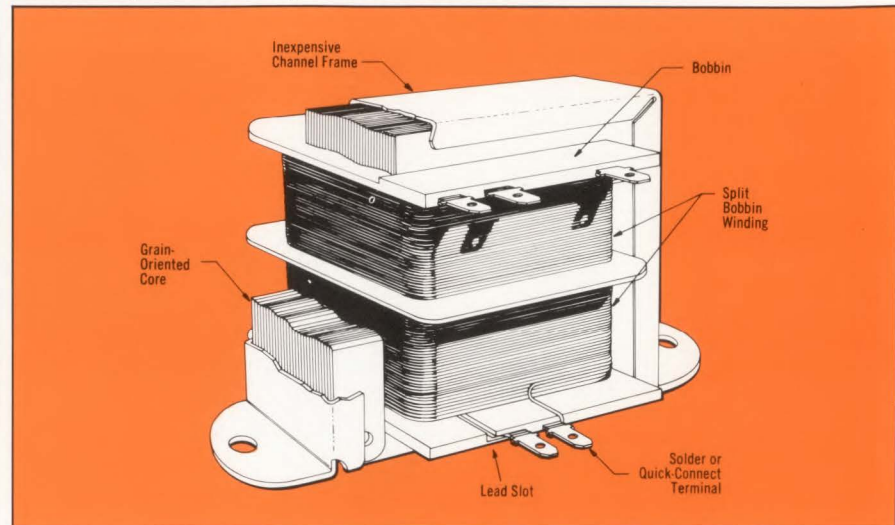
cut size and weight with "2-4-1"

The 2-4-1 series is an illustration of the use of creative design applied to small power transformers. The result is a line where, for a given va rating, size and weight are reduced almost 50%. Hence the name "241" series.

- **GRAIN ORIENTED CORE** — High Saturation Density — Lower Core Loss — Less Steel and Copper.
- **BOBBIN WOUND** — Maximum Utilization of Winding Area — Space and Size Reduced.
- **SPLIT BOBBIN — NON-CONCENTRIC WINDING** — Lower Capacitance — Better Insulation — 2500V RMS Hipot — No need for Electro-Static Shield — High Isolation and Insulation Resistance. No Cross-Overs of Primary and Secondary Leads.
- **SPECIAL TERMINAL** — Solder or Quick-Connect.

The series is available with single 115V or dual 115/230V primary, rated 50/60 Hz. Class S insulation is used for a maximum total temperature rating of 125°C continuous.

AVAILABLE WITH SINGLE (115V) OR DUAL (115/230V) PRIMARIES

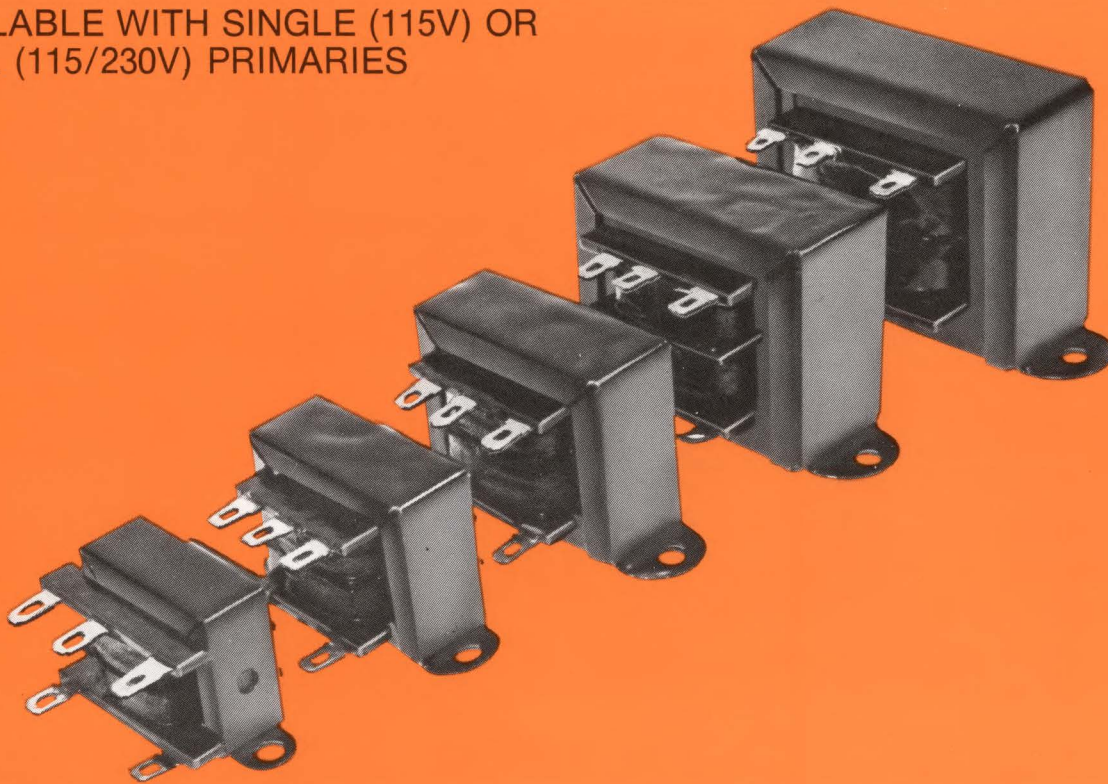


DIMENSIONS

Size	VA	L	W	H	A	B	ML	Lbs.
3	2.4	2 $\frac{1}{16}$	1 $\frac{1}{16}$	1 $\frac{3}{16}$	1 $\frac{5}{16}$	$\frac{9}{16}$	1 $\frac{3}{4}$	0.25
4	6	2 $\frac{3}{8}$	1 $\frac{1}{4}$	1 $\frac{3}{8}$	1 $\frac{11}{16}$	1 $\frac{1}{16}$	2	0.44
5	12	2 $\frac{13}{16}$	1 $\frac{3}{8}$	1 $\frac{5}{8}$	1 $\frac{13}{16}$	1 $\frac{3}{16}$	2 $\frac{3}{8}$	0.7
6	30	3 $\frac{1}{4}$	1 $\frac{11}{16}$	1 $\frac{15}{16}$	2 $\frac{5}{16}$	1 $\frac{1}{16}$	2 $\frac{13}{16}$	1.1
7	56	3 $\frac{11}{16}$	1 $\frac{13}{16}$	2 $\frac{1}{4}$	2 $\frac{11}{16}$	1 $\frac{1}{16}$	3 $\frac{1}{8}$	1.7
8	100	4 $\frac{1}{32}$	2 $\frac{1}{4}$	2 $\frac{3}{16}$	3 $\frac{1}{16}$	1 $\frac{1}{16}$	3 $\frac{3}{16}$	2.75

series of small power transformers

AVAILABLE WITH SINGLE (115V) OR
DUAL (115/230V) PRIMARIES



METHOD OF DETERMINING SECONDARY CURRENT RATINGS

The secondary currents shown in the tables are RMS ratings. Depending upon rectifier circuit configurations, the RMS secondary current is different than the DC output current. This is indicated in the chart below:

Rectifier Type	Filter Type	RMS Secondary Current Is
Full Wave Center-Tap	Choke Input	= 0.7 x DC Amps
Full Wave Center-Tap	Capacitor Input	= 1 to 1.2 x DC Amps
Full Wave Bridge	Choke Input	= DC Amps
Full Wave Bridge	Capacitor Input	= 1.6 to 1.8 x DC Amps

For example, in a F. W. Bridge circuit with a capacitive filter, if the load is 1 Amp DC, the RMS Secondary current is 1.6 to 1.8 Amp RMS.

CUSTOM VARIATIONS

Signal is equipped to quite on Custom Variations of "241" types. The secondary combinations are restricted by the number of secondary terminals available, as follows:

Size	Maximum Number of Secondary Terminals	VA Rating
3	3	2.4
4	4	6
5	4	12
6	5	30
7	3	56
8	5	100

We answer requests promptly and can deliver prototypes in one to three weeks. Production lead times can be scheduled with very reasonable lead times.

Part Number		Secondary RMS Rating	Part Number		Secondary RMS Rating
Single 115V	Dual 115/230V		Single 115V	Dual 115/230V	
241-3-10	Not Available	10V C.T. @ 0.25A	241-3-28	Not Available	28V C.T. @ 0.085A
241-4-10	DP 241-4-10	10V C.T. @ 0.6A	241-4-28	DP 241-4-28	28V C.T. @ 0.2A
241-5-10	DP 241-5-10	10V C.T. @ 1.2A	241-5-28	DP 241-5-28	28V C.T. @ 0.42A
241-6-10	DP 241-6-10	10V C.T. @ 3.0A	241-6-28	DP 241-6-28	28V C.T. @ 1.1A
241-7-10	DP 241-7-10	10V C.T. @ 5.0A	241-7-28	DP 241-7-28	28V C.T. @ 2.0A
241-8-10	DP 241-8-10	10V C.T. @ 10A	241-8-28	DP 241-8-28	28V C.T. @ 3.6A
241-3-12	Not Available	12.6V C.T. @ 0.2A	241-3-36	Not Available	36V C.T. @ 0.065A
241-4-12	DP 241-4-12	12.6V C.T. @ 0.5A	241-4-36	DP 241-4-36	36V C.T. @ 0.17A
241-5-12	DP 241-5-12	12.6V C.T. @ 1.0A	241-5-36	DP 241-5-36	36V C.T. @ 0.35A
241-6-12	DP 241-6-12	12.6V C.T. @ 2.5A	241-6-36	DP 241-6-36	36V C.T. @ 0.85A
241-7-12	DP 241-7-12	12.6V C.T. @ 4.0A	241-7-36	DP 241-7-36	36V C.T. @ 1.5A
241-8-12	DP 241-8-12	12.6V C.T. @ 8.0A	241-8-36	DP 241-8-36	36V C.T. @ 2.8A
241-3-16	Not Available	16V C.T. @ 0.15A	241-3-48	Not Available	48V C.T. @ 0.05A
241-4-16	DP 241-4-16	16V C.T. @ 0.4A	241-4-48	DP 241-4-48	48V C.T. @ 0.125A
241-5-16	DP 241-5-16	16V C.T. @ 0.8A	241-5-48	DP 241-5-48	48V C.T. @ 0.25A
241-6-16	DP 241-6-16	16V C.T. @ 2.0A	241-6-48	DP 241-6-48	48V C.T. @ 0.63A
241-7-16	DP 241-7-16	16V C.T. @ 3.5A	241-7-48	DP 241-7-48	48V C.T. @ 1.2A
241-8-16	DP 241-8-16	16V C.T. @ 6.25A	241-8-48	DP 241-8-48	48V C.T. @ 2.0A
241-3-20	Not Available	20V C.T. @ 0.12A	241-3-56	Not Available	56V C.T. @ 0.045A
241-4-20	DP 241-4-20	20V C.T. @ 0.3A	241-4-56	DP 241-4-56	56V C.T. @ 0.11A
241-5-20	DP 241-5-20	20V C.T. @ 0.6A	241-5-56	DP 241-5-56	56V C.T. @ 0.22A
241-6-20	DP 241-6-20	20V C.T. @ 1.5A	241-6-56	DP 241-6-56	56V C.T. @ 0.54A
241-7-20	DP 241-7-20	20V C.T. @ 2.8A	241-7-56	DP 241-7-56	56V C.T. @ 1.0A
241-8-20	DP 241-8-20	20V C.T. @ 5.0A	241-8-56	DP 241-8-56	56V C.T. @ 1.8A
241-3-24	Not Available	24V C.T. @ 0.1A	241-3-120	Not Available	120V C.T. @ 0.02A
241-4-24	DP 241-4-24	24V C.T. @ 0.25A	241-4-120	DP 241-4-120	120V C.T. @ 0.05A
241-5-24	DP 241-5-24	24V C.T. @ 0.5A	241-5-120	DP 241-5-120	120V C.T. @ 0.1A
241-6-24	DP 241-6-24	24V C.T. @ 1.25A	241-6-120	DP 241-6-120	120V C.T. @ 0.25A
241-7-24	DP 241-7-24	24V C.T. @ 2.4A	241-7-120	DP 241-7-120	120V C.T. @ 0.5A
241-8-24	DP 241-8-24	24V C.T. @ 4.0A	241-8-120	DP 241-8-120	120V C.T. @ 0.85A

Explanation of part number series 241 Size-4 Sec. Volts - 36 Prefix "DP" used for dual primary versions

rectifier power transformers

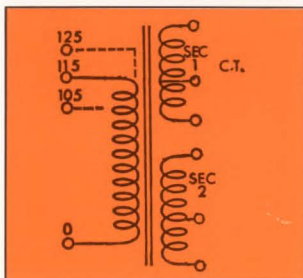
CHOICE OF SINGLE 115V OR DUAL 115/230V PRIMARIES

Primary 50/60 Hz		Secondary RMS Rating*		Mtg. Style	L	W	H	ML	MW	Mtg. Screw	Approx. Lbs.
Single 115V.	Dual 115/230V. *	Series	Parallel								
10-0.1	DL 10-0.1	10V C.T. @ 0.1A	5V C.T. @ 0.2A	C	2	1 1/2	1 3/4	1 3/4	—	#8	0.3
10-0.25	DL 10-0.25	10V C.T. @ 0.25A	5V C.T. @ 0.5A	C	2 3/8	1 1/2	2	2	—	#8	0.5
10-0.5	DL 10-0.5	10V C.T. @ 0.5A	5V C.T. @ 1A	C	2 3/8	1 3/4	2	2	—	#8	0.8
10-1	DL 10-1	10V C.T. @ 1A	5V C.T. @ 2A	C	2 7/8	1 3/4	2 3/8	2 3/8	—	#8	1.0
10-2	DL 10-2	10V C.T. @ 2A	5V C.T. @ 4A	C	3 1/8	2 1/8	2 3/4	2 13/16	—	#8	1.5
10-4	DL 10-4	10V C.T. @ 4A	5V C.T. @ 8A	C	3 3/8	2 3/8	3 1/8	3 1/8	—	#8	2.3
10-6	DL 10-6	10V C.T. @ 6A	5V C.T. @ 12A	B	3 3/8	2 3/4	2 13/16	2 13/16	2 1/8	#8	3.3
10-8	DL 10-8	10V C.T. @ 8A	5V C.T. @ 16A	B	3 3/8	3 1/8	2 13/16	2 13/16	2 1/2	#8	4.0
10-12	DL 10-12	10V C.T. @ 12A	5V C.T. @ 24A	B	3 3/4	3 1/4	3 1/8	3 1/8	2 1/2	#8	5.0
10-25	DL 10-25	10V C.T. @ 25A	5V C.T. @ 50A	B	4 1/2	3 3/4	3 3/4	3 3/4	2 3/4	#10	8.7
10-50†	DL 10-50	10V C.T. @ 50A	5V C.T. @ 100A	B	5 1/4	5 1/2	4 3/8	4 3/8	3 5/8	1/4	17.0
10-100†	DL 10-100	10V C.T. @ 100A	5V C.T. @ 200A	B	6 3/8	7 1/4	5 1/2	5 1/2	4 3/8	1/4	34.5
12-8-0.1	DL 12-8-0.1	12V C.T. @ 0.1A	6V C.T. @ 0.2A	C	2	1 1/2	1 3/4	1 3/4	—	#8	0.3
12-8-0.25	DL 12-8-0.25	12V C.T. @ 0.25A	6V C.T. @ 0.5A	C	2 3/8	1 1/2	2	2	—	#8	0.5
12-8-0.5	DL 12-8-0.5	12V C.T. @ 0.5A	6V C.T. @ 1A	C	2 7/8	1 5/8	2 3/8	2 3/8	—	#8	0.8
12-8-1	DL 12-8-1	12V C.T. @ 1A	6V C.T. @ 2A	C	2 7/8	2	2 3/8	2 3/8	—	#8	1.2
12-8-2A	DL 12-8-2A	12V C.T. @ 2A	6V C.T. @ 4A	C	3 1/8	2 1/8	2 3/4	2 13/16	—	#8	1.5
12-8-2	DL 12-8-2	12V C.T. @ 2A	6V C.T. @ 4A	B	3	2 1/2	2 1/2	2 1/2	2	#8	2.3
12-8-4	DL 12-8-4	12V C.T. @ 4A	6V C.T. @ 8A	B	3	2 7/8	2 1/2	2 1/2	2 3/8	#8	2.8
12-8-6	DL 12-8-6	12V C.T. @ 6A	6V C.T. @ 12A	B	3 3/8	3 1/8	2 13/16	2 13/16	2 1/2	#8	4.0
12-8-8	DL 12-8-8	12V C.T. @ 8A	6V C.T. @ 16A	B	3 3/4	3 1/8	3 1/8	3 1/8	2 1/4	#8	4.5
12-8-12	DL 12-8-12	12V C.T. @ 12A	6V C.T. @ 24A	B	4 1/8	3 1/4	3 3/8	3 3/8	2 3/8	#10	6.0
12-8-25	DL 12-8-25	12V C.T. @ 25A	6V C.T. @ 50A	B	5 1/4	4 1/4	4 3/8	4 3/8	2 7/8	#10	12.5
12-8-50†	DL 12-8-50	12V C.T. @ 50A	6V C.T. @ 100A	B	5 1/4	6	4 3/8	4 3/8	4 1/8	1/4	20.7
12-8-100†	DL 12-8-100	12V C.T. @ 100A	6V C.T. @ 200A	B	6 3/8	7 1/4	5 1/2	5 1/2	4 3/8	1/4	34.5
16-0.1	DL 16-0.1	16V C.T. @ 0.1A	8V C.T. @ 0.2A	C	2	1 5/8	1 3/4	1 3/4	—	#8	0.4
16-0.25	DL 16-0.25	16V C.T. @ 0.25A	8V C.T. @ 0.5A	C	2 3/8	1 3/4	2	2	—	#8	0.7
16-0.5	DL 16-0.5	16V C.T. @ 0.5A	8V C.T. @ 1A	C	2 7/8	1 5/8	2 3/8	2 3/8	—	#8	0.8
16-1	DL 16-1	16V C.T. @ 1A	8V C.T. @ 2A	C	2 7/8	2	2 3/8	2 3/8	—	#8	1.2
16-2	DL 16-2	16V C.T. @ 2A	8V C.T. @ 4A	C	3 1/8	2 1/4	2 3/4	2 13/16	—	#8	1.7
16-4	DL 16-4	16V C.T. @ 4A	8V C.T. @ 8A	B	3 3/8	2 3/4	2 13/16	2 13/16	2 1/8	#8	3.3
16-6	DL 16-6	16V C.T. @ 6A	8V C.T. @ 12A	B	3 3/4	3 1/8	3 1/8	3 1/8	2 1/4	#10	4.5
16-8	DL 16-8	16V C.T. @ 8A	8V C.T. @ 16A	B	3 3/4	3 1/2	3 1/8	3 1/8	2 5/8	#10	5.4
16-12	DL 16-12	16V C.T. @ 12A	8V C.T. @ 24A	B	4 1/8	3 7/8	3 3/8	3 3/8	3	#10	7.9
16-25	DL 16-25	16V C.T. @ 25A	8V C.T. @ 50A	B	4 1/2	5 3/8	4	3 3/4	4	#10	14.5
16-50†	DL 16-50	16V C.T. @ 50A	8V C.T. @ 100A	B	6 3/8	5 3/4	5 1/2	5 1/2	3 3/4	1/4	26.5
16-100†	DL 16-100	16V C.T. @ 100A	8V C.T. @ 200A	B	7 1/2	7 1/4	6 3/8	6 3/4	4 3/8	1/4	50.0
24-0.1	DL 24-0.1	24V C.T. @ 0.1A	12V C.T. @ 0.2A	C	2 3/8	1 1/2	2	2	—	#8	0.5
24-0.25	DL 24-0.25	24V C.T. @ 0.25A	12V C.T. @ 0.5A	C	2 7/8	1 3/4	2 3/8	2 3/8	—	#8	1.0
24-0.5	DL 24-0.5	24V C.T. @ 0.5A	12V C.T. @ 1A	C	2 7/8	2	2 3/8	2 3/8	—	#8	1.2
24-1A	DL 24-1A	24V C.T. @ 1A	12V C.T. @ 2A	C	3 1/8	2 1/8	2 3/4	2 13/16	—	#8	1.5
24-1	DL 24-1	24V C.T. @ 1A	12V C.T. @ 2A	B	3	2 1/2	2 1/2	2 1/2	2	#8	2.3
24-2	DL 24-2	24V C.T. @ 2A	12V C.T. @ 4A	B	3	2 7/8	2 1/2	2 1/2	2 3/8	#8	2.9
24-4	DL 24-4	24V C.T. @ 4A	12V C.T. @ 8A	B	3 3/4	3 1/8	3 1/8	3 1/8	2 1/4	#8	4.5
24-6	DL 24-6	24V C.T. @ 6A	12V C.T. @ 12A	B	4 1/8	3 1/4	3 3/8	3 3/8	2 3/8	#10	5.8
24-8	DL 24-8	24V C.T. @ 8A	12V C.T. @ 16A	B	4 1/8	3 7/8	3 3/8	3 3/8	3	#10	7.9
24-12†	DL 24-12	24V C.T. @ 12A	12V C.T. @ 24A	B	4 1/2	4 1/2	3 3/4	3 3/4	3 3/8	#10	11.0
24-20†	DL 24-20	24V C.T. @ 20A	12V C.T. @ 40A	B	5 1/4	4 3/4	4 3/8	4 3/8	3 3/8	1/4	15.3
24-25†	DL 24-25	24V C.T. @ 25A	12V C.T. @ 50A	B	5 1/4	5 3/8	4 3/8	4 3/8	4 1/8	1/4	19.5
24-50†	DL 24-50	24V C.T. @ 50A	12V C.T. @ 100A	B	6 3/8	6 1/4	5 1/2	5 1/2	4 3/8	1/4	31.3
—	24-100 Δ	24V C.T. @ 100A	12V C.T. @ 200A	B	7 1/2	7	6 3/8	6 3/4	4 1/8	1/4	43.0
36-0.1	DL 36-0.1	36V C.T. @ 0.1A	18V C.T. @ 0.2A	C	2 3/8	1 5/8	2	2	—	#8	0.5
36-0.25	DL 36-0.25	36V C.T. @ 0.25A	18V C.T. @ 0.5A	C	2 7/8	1 5/8	2 3/8	2 3/8	—	#8	0.8
36-0.5	DL 36-0.5	36V C.T. @ 0.5A	18V C.T. @ 1A	C	3 1/8	2	2 3/4	2 13/16	—	#8	1.3
36-1A	DL 36-1A	36V C.T. @ 1A	18V C.T. @ 2A	C	3 3/8	2 3/8	3 1/8	3 1/8	—	#8	2.3
36-1	DL 36-1	36V C.T. @ 1A	18V C.T. @ 2A	B	3	2 3/4	2 1/2	2 1/2	2 1/4	#8	2.6
36-2	DL 36-2	36V C.T. @ 2A	18V C.T. @ 4A	B	3 3/8	2 13/16	2 13/16	2 13/16	2 3/8	#8	3.8
36-4	DL 36-4	36V C.T. @ 4A	18V C.T. @ 8A	B	4 1/8	3 3/8	3 3/8	3 3/8	2 5/8	#10	6.8
36-6	DL 36-6	36V C.T. @ 6A	18V C.T. @ 12A	B	4 1/2	3 3/4	3 3/4	3 3/4	2 3/4	#10	8.7
36-8†	DL 36-8	36V C.T. @ 8A	18V C.T. @ 16A	B	4 1/2	4 1/2	4 1/8	3 3/4	3 3/8	#10	11.0
36-12†	DL 36-12	36V C.T. @ 12A	18V C.T. @ 24A	B	5 1/4	5	4 3/8	4 3/8	3 3/8	1/4	15.0
36-20†	DL 36-20	36V C.T. @ 20A	18V C.T. @ 40A	B	6 3/8	5 3/8	5 1/2	5 1/2	3 3/8	1/4	22.8
36-25†	DL 36-25	36V C.T. @ 25A	18V C.T. @ 50A	B	6 3/8	5 3/4	5 1/2	5 1/2	3 3/4	1/4	26.5
36-30†	DL 36-30	36V C.T. @ 30A	18V C.T. @ 60A	B	6 3/8	6	5 1/2	5 1/2	4 3/8	1/4	31.5
—	36-50 Δ	36V C.T. @ 50A	18V C.T. @ 100A	B	6 3/8	7 1/4	5 1/2	5 1/2	5 1/8	1/4	40.0
—	36-100 Δ	36V C.T. @ 100A	18V C.T. @ 200A	B	7 1/2	9	6 1/4	6 3/4	5 1/8	1/4	63.5
56-0.1	DL 56-0.1	56V C.T. @ 0.1A	28V C.T. @ 0.2A	C	2 3/8	1 3/4	2	2	—	#8	0.8
56-0.25	DL 56-0.25	56V C.T. @ 0.25A	28V C.T. @ 0.5A	C	2 7/8	2	2 3/8	2 3/8	—	#8	1.2
56-0.5	DL 56-0.5	56V C.T. @ 0.5A	28V C.T. @ 1A	C	3 1/8	2 1/4	2 3/4	2 13/16	—	#8	1.7
56-1	DL 56-1	56V C.T. @ 1A	28V C.T. @ 2A	B	3 3/8	2 7/8	2 13/16	2 13/16	2 1/4	#8	3.5
56-2	DL 56-2	56V C.T. @ 2A	28V C.T. @ 4A	B	3 3/4	3 1/4	3 1/8	3 1/8	2 1/2	#8	5.0
56-4	DL 56-4	56V C.T. @ 4A	28V C.T. @ 8A	B	4 1/8	3 3/4	3 3/8	3 3/8	3	#10	7.7
56-6	DL 56-6	56V C.T. @ 6A	28V C.T. @ 12A	B	5 1/4	4 1/4	4 3/8	4 3/8	2 7/8	#10	12.0
56-8†	DL 56-8	56V C.T. @ 8A	28V C.T. @ 16A	B	5 1/4	5	4 3/8	4 3/8	3 3/8	1/4	17.0
56-12†	DL 56-12	56V C.T. @ 12A	28V C.T. @ 24A	B	6 3/8	5 1/4	5 1/2	5 1/2	3 3/8	1/4	22.0
56-25†	DL 56-25	56V C.T. @ 25A	28V C.T. @ 50A	B	6 3/8	7 1/8	5 1/2	5 1/2	5 1/8	1/4	38.0
—	56-50 Δ	56V C.T. @ 50A	28V C.T. @ 100A	B	7 1/2	7 1/2	6 1/4	6 3/4	4 7/8	1/4	56.3
—	56-100 Δ	56V C.T. @ 100A	28V C.T. @ 200A	B	7 1/2	11 1/4	6 1/4	6 3/4	8 1/4	1/4	95.0

Δ Available with dual primary only. Therefore, prefix "DL" is not required.

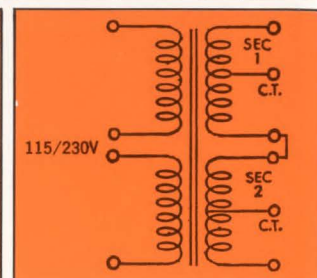
† Nominal 115V primary has added taps, I.E., 105/115/125V, Dual (DL) version is 115/230V only.

* The DL (Dual Primary versions) are not stock items but are standard designs generally available on 2-3 week delivery, plus there will be a \$20 set-up charge per order.



All transformers are designed conservatively for a max of 45°C rise above ambient and are rated for 50/60 Hz. Only prime raw materials are used. Units are thoroughly impregnated and baked with Signal's own high gloss black baking varnish. The transformers and chokes are rugged in construction, well insulated, and have a consistently uniform appearance. All ratings are at full load current continuous operation. Hipot rating of 1500V RMS is standard.

Electrical ratings have been chosen to cover a wide range of applications. All transformers have two center-tapped secondary windings, which may be series or parallel connected as indicated in rating chart.



rectifier power transformers

IDEAL FOR USE IN SINGLE OR DUAL DC POWER SUPPLIES

Primary 50/60 Hz		Secondary RMS Rating*		Mtg. Style	L	W	H	ML	MW	Mtg. Screw	Approx. Lbs.
Single 115V.	Dual 115/230V. *	Series	Parallel								
68-0.1	DL 68-0.1	68V C.T. @ 0.1A	34V C.T. @ 0.2A	C	2 7/8	1 5/8	2 3/8	2 3/8	—	#8	0.8
68-0.25	DL 68-0.25	68V C.T. @ 0.25A	34V C.T. @ 0.5A	C	2 7/8	2	2 3/8	2 3/8	—	#8	1.2
68-0.5A	DL 68-0.5A	68V C.T. @ 0.5A	34V C.T. @ 1A	C	3 1/8	2 1/4	2 3/8	2 3/8	—	#8	1.7
68-0.5	DL 68-0.5	68V C.T. @ 0.5A	34V C.T. @ 1A	B	3	2 3/4	2 1/2	2 1/2	2 1/4	#8	2.7
68-1	DL 68-1	68V C.T. @ 1A	34V C.T. @ 2A	B	3 3/8	2 3/8	2 3/8	2 3/8	2 3/8	#8	3.8
68-2	DL 68-2	68V C.T. @ 2A	34V C.T. @ 4A	B	4 1/8	3 3/8	3 3/8	3 3/8	2 5/8	#10	6.8
68-4	DL 68-4	68V C.T. @ 4A	34V C.T. @ 8A	B	4 1/2	4 1/2	3 3/4	3 3/4	3 3/8	#10	11.5
68-6†	DL 68-6	68V C.T. @ 6A	34V C.T. @ 12A	B	5 1/4	5	4 3/8	4 3/8	3 3/8	1/4	15.0
68-8†	DL 68-8	68V C.T. @ 8A	34V C.T. @ 16A	B	5 1/4	5 1/2	4 3/8	4 3/8	3 3/8	1/4	19.0
68-12†	DL 68-12	68V C.T. @ 12A	34V C.T. @ 24A	B	6 3/8	5 3/4	5 3/8	5 3/8	3 3/4	1/4	26.5
—	68-25△	68V C.T. @ 25A	34V C.T. @ 50A	B	6 3/8	7 1/4	5 3/8	5 3/8	5 1/8	1/4	39.7
—	68-50△	68V C.T. @ 50A	34V C.T. @ 100A	B	7 1/2	9	6 1/4	6 1/4	5 1/8	1/4	58.5
80-0.1	DL 80-0.1	80V C.T. @ 0.1A	40V C.T. @ 0.2A	C	2 7/8	1 5/8	2 3/8	2 3/8	—	#8	0.8
80-0.25	DL 80-0.25	80V C.T. @ 0.25A	40V C.T. @ 0.5A	C	3 1/8	2	2 3/8	2 3/8	—	#8	1.3
80-0.5A	DL 80-0.5A	80V C.T. @ 0.5A	40V C.T. @ 1A	C	3 3/8	2 3/8	3 1/8	3 1/8	—	#8	2.2
80-0.5	DL 80-0.5	80V C.T. @ 0.5A	40V C.T. @ 1A	B	3	2 3/4	2 1/2	2 1/2	2 1/4	#8	2.8
80-1	DL 80-1	80V C.T. @ 1A	40V C.T. @ 2A	B	3 3/8	3 1/8	2 3/8	2 3/8	2 1/2	#8	4.0
80-2	DL 80-2	80V C.T. @ 2A	40V C.T. @ 4A	B	4 1/8	3 3/8	3 1/8	3 1/8	2 5/8	#10	6.8
80-4	DL 80-4	80V C.T. @ 4A	40V C.T. @ 8A	B	5 1/4	4 1/4	4 3/8	4 3/8	2 7/8	1/4	12.3
80-6†	DL 80-6	80V C.T. @ 6A	40V C.T. @ 12A	B	5 1/4	5 1/2	4 3/8	4 3/8	3 7/8	1/4	19.0
80-8†	DL 80-8	80V C.T. @ 8A	40V C.T. @ 16A	B	6 3/8	5 1/4	5 3/8	5 3/8	3 3/4	1/4	20.5
80-12†	DL 80-12	80V C.T. @ 12A	40V C.T. @ 24A	B	6 3/8	6	5 3/8	5 3/8	4 1/8	1/4	29.0
—	80-25△	80V C.T. @ 25A	40V C.T. @ 50A	B	7 1/2	6 1/2	6 1/4	6 1/4	3 7/8	1/4	40.3
—	80-50△	80V C.T. @ 50A	40V C.T. @ 100A	B	7 1/2	9	6 1/4	6 1/4	6 1/2	1/4	78.0
88-0.1	DL 88-0.1	88V C.T. @ 0.1A	44V C.T. @ 0.2A	C	2 7/8	1 3/4	2 3/8	2 3/8	—	#8	1.0
88-0.25	DL 88-0.25	88V C.T. @ 0.25A	44V C.T. @ 0.5A	C	3 1/8	2 1/8	2 3/8	2 3/8	—	#8	1.5
88-0.5	DL 88-0.5	88V C.T. @ 0.5A	44V C.T. @ 1A	B	3 3/8	2 3/8	3 1/8	3 1/8	—	#8	2.2
88-1	DL 88-1	88V C.T. @ 1A	44V C.T. @ 2A	B	3 3/8	3	3 1/8	3 1/8	2 1/4	#8	4.5
88-2	DL 88-2	88V C.T. @ 2A	44V C.T. @ 4A	B	4 1/8	3 3/8	3 3/8	3 3/8	2 5/8	#10	6.8
88-4	DL 88-4	88V C.T. @ 4A	44V C.T. @ 8A	B	5 1/4	4 1/2	4 3/8	4 3/8	3 1/8	1/4	13.4
88-6†	DL 88-6	88V C.T. @ 6A	44V C.T. @ 12A	B	5 1/4	5 1/2	4 3/8	4 3/8	3 7/8	1/4	19.0
88-8†	DL 88-8	88V C.T. @ 8A	44V C.T. @ 16A	B	6 3/8	5 3/8	5 3/8	5 3/8	3 3/8	1/4	22.8
88-12†	DL 88-12	88V C.T. @ 12A	44V C.T. @ 24A	B	6 3/8	6 1/2	5 3/8	5 3/8	4 3/8	1/4	35.0
—	88-25△	88V C.T. @ 25A	44V C.T. @ 50A	B	7 1/2	8	6 1/4	6 1/4	5 5/8	1/4	62.0
—	88-50△	88V C.T. @ 50A	44V C.T. @ 100A	B	7 1/2	11	6 1/4	6 1/4	8 5/8	1/4	100.0
120-0.5	DL 120-0.5	120V C.T. @ 0.5A	60V C.T. @ 1A	B	3 3/8	2 7/8	2 3/8	2 3/8	2 1/4	#8	3.2
120-1	DL 120-1	120V C.T. @ 1A	60V C.T. @ 2A	B	3 3/4	3 3/8	3 1/8	3 1/8	2 3/4	#8	5.8
120-2	DL 120-2	120V C.T. @ 2A	60V C.T. @ 4A	B	4 1/2	3 3/4	3 3/4	3 3/4	2 3/4	#10	8.5
120-4	DL 120-4	120V C.T. @ 4A	60V C.T. @ 8A	B	5 1/4	5 1/2	4 3/8	4 3/8	3 7/8	1/4	17.0
120-6†	DL 120-6	120V C.T. @ 6A	60V C.T. @ 12A	B	6 3/8	6	5 3/8	5 3/8	3 7/8	1/4	27.0
120-8†	DL 120-8	120V C.T. @ 8A	60V C.T. @ 16A	B	6 3/8	6 1/2	5 3/8	5 3/8	4 3/8	1/4	34.0
120-12†	DL 120-12	120V C.T. @ 12A	60V C.T. @ 24A	B	6 3/8	7 1/4	5 3/8	5 3/8	5 3/8	1/4	42.0
120-20†	DL 120-20	120V C.T. @ 20A	60V C.T. @ 40A	B	7 1/2	8	6 1/4	6 1/4	5 3/8	1/4	57.0
160-0.5	DL 160-0.5	160V C.T. @ 0.5A	80V C.T. @ 1A	B	3 3/8	3 1/8	2 3/8	2 3/8	2 1/2	#8	4.0
160-1	DL 160-1	160V C.T. @ 1A	80V C.T. @ 2A	B	4 1/8	3 3/8	3 1/8	3 1/8	2 5/8	#10	6.5
160-2	DL 160-2	160V C.T. @ 2A	80V C.T. @ 4A	B	4 1/2	4 3/8	3 3/4	3 3/4	3 3/8	#10	11.0
160-4†	DL 160-4	160V C.T. @ 4A	80V C.T. @ 8A	B	6 3/8	5 1/4	5 3/8	5 3/8	3 1/4	1/4	21.0
160-8†	DL 160-8	160V C.T. @ 8A	80V C.T. @ 16A	B	6 3/8	6 3/4	5 3/8	5 3/8	4 7/8	1/4	36.0
—	160-12△	160V C.T. @ 12A	80V C.T. @ 24A	B	7 1/2	6 1/2	6 1/4	6 1/4	3 7/8	1/4	39.8
180-0.5	DL 180-0.5	180V C.T. @ 0.5A	90V C.T. @ 1A	B	3 3/4	3 3/8	3 1/8	3 1/8	2 3/4	#8	5.8
180-1	DL 180-1	180V C.T. @ 1A	90V C.T. @ 2A	B	4 1/8	3 7/8	3 3/8	3 3/8	3	#10	8.2
180-2	DL 180-2	180V C.T. @ 2A	90V C.T. @ 4A	B	5 1/4	5	4 3/8	4 3/8	3 5/8	1/4	15.8
180-4	DL 180-4	180V C.T. @ 4A	90V C.T. @ 8A	B	6 3/8	5 3/4	5 3/8	5 3/8	3 3/4	1/4	27.0
180-6†	DL 180-6	180V C.T. @ 6A	90V C.T. @ 12A	B	6 3/8	7 1/4	5 3/8	5 3/8	5 1/8	1/4	37.0
180-8†	DL 180-8	180V C.T. @ 8A	90V C.T. @ 16A	B	6 3/8	7 3/4	5 3/8	5 3/8	5 5/8	1/4	42.0
180-12†	DL 180-12	180V C.T. @ 12A	90V C.T. @ 24A	B	7 1/2	8 1/4	6 1/4	6 1/4	5 5/8	1/4	62.0
230-0.5	DL 230-0.5	230V C.T. @ 0.5A	115V C.T. @ 1A	B	3 3/4	3 3/8	3 1/8	3 1/8	3	#8	6.5
230-1	DL 230-1	230V C.T. @ 1A	115V C.T. @ 2A	B	4 1/2	3 3/4	3 3/4	3 3/4	3	#10	9.4
230-2	DL 230-2	230V C.T. @ 2A	115V C.T. @ 4A	B	5 1/4	4 3/4	4 3/8	4 3/8	3 3/8	1/4	14.5
230-4†	DL 230-4	230V C.T. @ 4A	115V C.T. @ 8A	B	6 3/8	6	5 3/8	5 3/8	4 1/8	1/4	28.4
230-6†	DL 230-6	230V C.T. @ 6A	115V C.T. @ 12A	B	6 3/8	7 1/4	5 3/8	5 3/8	5 1/8	1/4	38.0
300-0.5	DL 300-0.5	300V C.T. @ 0.5A	150V C.T. @ 1A	B	4 1/2	3 1/2	3 3/4	3 3/4	2 1/2	#10	7.0
300-1	DL 300-1	300V C.T. @ 1A	150V C.T. @ 2A	B	5 1/4	4 1/8	4 3/8	4 3/8	3	1/4	12.8
300-2	DL 300-2	300V C.T. @ 2A	150V C.T. @ 4A	B	5 1/4	5 3/4	4 3/8	4 3/8	4 1/2	1/4	21.0
300-4†	DL 300-4	300V C.T. @ 4A	150V C.T. @ 8A	B	6 3/8	5 3/4	5 3/8	5 3/8	3 7/8	1/4	27.5

△ Available with dual primary only. Therefore, prefix "DL" is not required.

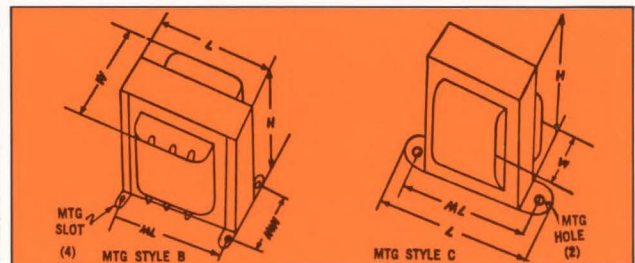
† Nominal 115V primary has added taps, i.e., 105/115/125V, Dual (DL) version is 115/230V only.

* The DL (Dual Primary versions) are not stock items but are standard designs generally available on 2-3 week delivery, plus there will be a \$20 set-up charge per order.

*The secondary currents shown in the tables are RMS ratings. Depending upon rectifier circuit configurations, the RMS secondary current is different than the DC output current. This is indicated in the chart below:

Rectifier Type	Filter Type	RMS Secondary Current Is
Full Wave Center-Tap	Choke Input	= 0.7 x DC Amps
Full Wave Center-Tap	Capacitor Input	= 1 to 1.2 x DC Amps
Full Wave Bridge	Choke Input	= DC Amps
Full Wave Bridge	Capacitor Input	= 1.6 to 1.8 x DC Amps

For example, in a F.W. Bridge circuit with a capacitive filter, if the load is 1 Amp DC, the RMS Secondary current is 1.6 to 1.8 Amp RMS.

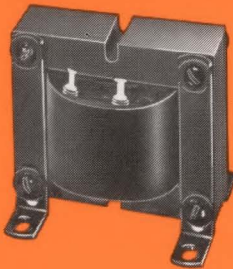


filter chokes

0.5 TO 1000 AMPS

Signal's line of filter chokes is the most extensive available. It is designed to complement the selection of Rectifier Power Transformers so that a set may be specified for power supplies using inductive filters.

The inductance ratings given are minimum values guaranteed at full DC current. All resistance ratings are maximum values. Special variations or intermediate values of inductance, current, or resistance can be supplied promptly and accurately.

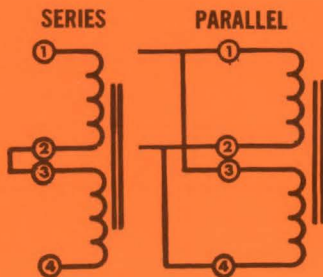


FOR MECHANICAL DIMENSIONS REFER TO TRANSFORMER OUTLINES ON PREVIOUS PAGE

Part No.	Inductance (MHY)	Current (Amps)	Resistance (Ohms)	Mtg. Style	L	W	H	ML	MW	Mtg. Screw	Approx. Lbs.
CH-0.5	400	0.5	4.0	C	3 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{3}{4}$	2 $\frac{13}{16}$	—	#8	1.5
CH-1	100	1	1.5	B	3	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2	#8	2.3
CH-2	70	2	0.9	B	3 $\frac{3}{8}$	2 $\frac{3}{4}$	2 $\frac{7}{8}$	2 $\frac{13}{16}$	2 $\frac{1}{8}$	#8	3.2
CH-4	70	4	0.6	B	3 $\frac{3}{4}$	3 $\frac{1}{8}$	3 $\frac{1}{4}$	3 $\frac{1}{8}$	2 $\frac{1}{2}$	#8	5.3
CH-6	40	6	0.4	B	3 $\frac{3}{4}$	3 $\frac{5}{8}$	3 $\frac{1}{4}$	3 $\frac{1}{8}$	3	#8	6.5
CH-8	30	8	0.3	B	4 $\frac{1}{8}$	3 $\frac{5}{8}$	3 $\frac{1}{2}$	3 $\frac{7}{16}$	3	#10	8
CH-12	15	12	0.1	B	5 $\frac{1}{4}$	4	4 $\frac{7}{16}$	4 $\frac{3}{8}$	3 $\frac{1}{8}$	#10	13.7
CH-16	15	16	0.08	B	5 $\frac{1}{4}$	4 $\frac{5}{8}$	4 $\frac{7}{16}$	4 $\frac{3}{8}$	3 $\frac{5}{8}$	#10	17.5
CH-20	7	20	0.05	B	5 $\frac{1}{4}$	4	4 $\frac{7}{16}$	4 $\frac{3}{8}$	3 $\frac{1}{8}$	#10	13.3
CH-25	5	25	0.025	B	5 $\frac{1}{4}$	4 $\frac{3}{4}$	4 $\frac{7}{16}$	4 $\frac{3}{8}$	3 $\frac{7}{8}$	#10	17.8
CH-30	4	30	0.01	B	6 $\frac{3}{8}$	5	5 $\frac{3}{8}$	5 $\frac{5}{16}$	3 $\frac{3}{8}$	1/4	24.4
CH-50	1.4	50	0.01	B	6 $\frac{3}{8}$	5 $\frac{1}{4}$	5 $\frac{3}{8}$	5 $\frac{5}{16}$	3 $\frac{3}{4}$	1/4	26.7
CH-100	0.5	100	0.005	B	6 $\frac{3}{8}$	6 $\frac{1}{4}$	5 $\frac{3}{8}$	5 $\frac{5}{16}$	4 $\frac{1}{8}$	1/4	31.4
CH-200	0.3	200	0.001	B	7 $\frac{1}{2}$	7	6 $\frac{1}{2}$	6 $\frac{3}{4}$	4 $\frac{1}{8}$	1/4	48.0
CH-250	0.3	250	0.00115	B	7 $\frac{1}{2}$	8	6 $\frac{1}{2}$	6 $\frac{3}{4}$	5 $\frac{1}{8}$	1/4	56.0
CH-500	0.055	500	0.00027	B	7 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{3}{4}$	4 $\frac{1}{8}$	1/4	50.0
CH-1000	0.015	1,000	0.000065	B	7 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{3}{4}$	4 $\frac{3}{8}$	1/4	70.0

dual chokes

FOR LOWER INDUCTANCE APPLICATIONS

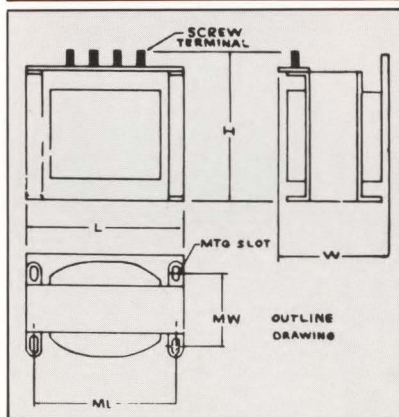
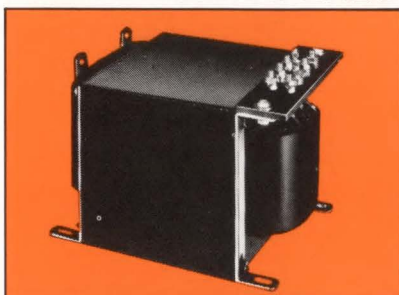


Part No.	Series Connected			Parallel Connected			Mtg. Style	Dimensions					Mtg. Screw	Appr. Lbs.
	Ind. (MHY)	Curr. (Amps)	Res. Ω	Ind. (MHY)	Curr. (Amps)	Res. Ω		L	W	H	ML	MW		
CL-1-2	72	1	1.4	18	2	0.35	C	2 $\frac{7}{8}$	1 $\frac{3}{4}$	2 $\frac{3}{8}$	2 $\frac{3}{8}$	—	#8	0.9
CL-2-4	40	2	0.7	10	4	0.18	C	3 $\frac{1}{8}$	2 $\frac{1}{8}$	2 $\frac{3}{4}$	2 $\frac{13}{16}$	—	#8	1.5
CL-4-8	20	4	0.3	5	8	0.075	B	3	2 $\frac{7}{8}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	#8	3.0
CL-6-12	12	6	0.15	3	12	0.038	B	3 $\frac{3}{8}$	3 $\frac{1}{8}$	2 $\frac{13}{16}$	2 $\frac{13}{16}$	2 $\frac{1}{2}$	#8	4.0
CL-12-24	4.8	12	0.052	1.2	24	0.013	B	3 $\frac{3}{8}$	3 $\frac{3}{8}$	2 $\frac{13}{16}$	2 $\frac{13}{16}$	3	#8	5.3
CL-25-50	1.2	25	0.012	0.3	50	0.003	B	3 $\frac{3}{4}$	3 $\frac{3}{8}$	3 $\frac{3}{8}$	3 $\frac{3}{8}$	2 $\frac{3}{4}$	#8	6.0
CL-50-100	0.5	50	0.0043	0.12	100	0.0011	B	4 $\frac{1}{2}$	3 $\frac{3}{4}$	3 $\frac{3}{4}$	3 $\frac{3}{4}$	2 $\frac{1}{2}$	#8	8.0

Signal's Dual Chokes are supplied with 2 windings which may be series or parallel connected with rating shown on chart. This line is basically designed for applications requiring lower inductance values at high currents, such as low voltage, DC supplies or SCR filters.

very high current transformers/chokes

6 TO 24 VOLTS
250 TO 1400 AMPERES



TRANSFORMERS

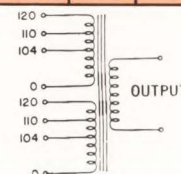
Part No.	Secondary Volts	Secondary Amps.		Dimensions				MW	Mtg. Screw	Approx. Lbs.
		Nominal (45°C rise)	Max. (100°C rise)	L	W	H	ML			
6-250	6	250	350	7½	5	7¼	6¾	3½	¼	32
9-250	9	250	350	7½	5¾	7¼	6¾	4½	¼	40
12-250	12	250	350	7½	6¼	7¼	6¾	4½	¼	48
24-250	24	250	350	7½	9	7¼	6¾	7½	¼	80
6-500	6	500	700	7½	6	7¼	6¾	4½	¼	40
9-500	9	500	700	7½	8½	7¼	6¾	6½	¼	60
12-500	12	500	700	7½	9	7¼	6¾	7½	¼	80
24-500	24	500	700	9	13	8	7½	8½	¼	140
3-1000	3	1000	1400	7½	6	7¼	6¾	4½	¼	40
6-1000	6	1000	1400	7½	9	7¼	6¾	7½	¼	80
12-1000	12	1000	1400	9	13	8	7½	8½	¼	140

CHOKES

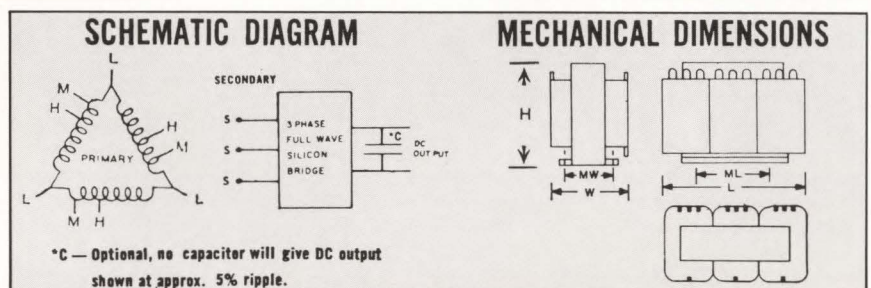
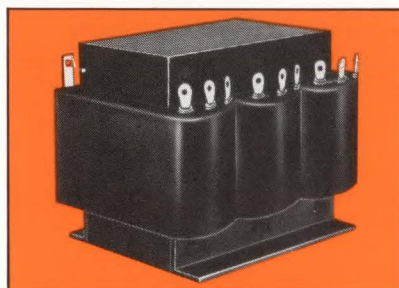
Part No.	Inductance (Milli-hy)	Current (Amperes)	Resis. (Ohms)	Dimensions				MW	Mtg. Screw	Approx. Lbs.
				L	W	H	ML			
CH-250	.3	250	.00115	7½	8	6¼	6¾	5½	¼	56
CH-500	.055	500	.00027	7½	6½	6¼	6¾	4½	¼	50
CH-1000	.015	1000	.000065	7½	7½	6¼	6¾	5½	¼	70

As shown on the schematic diagram dual primaries are provided. This permits parallel connection for 104, 110, or 120 volts or series connection for 208, 214, 220, 230, and 240 volts. Frequency range is 50 to 500 cps.

It is important to note that primary taps may be used to adjust the secondary voltages. Line voltages up to 125V (parallel) or 250V (series) may be used on the lowest primary tap. Nickel plated screw terminals are provided on a heavy phenolic board for easy primary connections.



3 phase high current rectifier transformers



DC OUTPUT VOLTAGE

Part No.	Pri Tap "L" Supply Voltage		Pri Tap "M" Supply Voltage		Pri Tap "H" Supply Voltage		DC Rated Amps	Approximate Dimensions					Approx. Lbs.
	208	220	208	220	208	220		L	W	H	ML	MW	
3PH 24-50	24	25	26	27.5	28	30	50	7¾	6	5½	4.8	4⅞	35
3PH 24-100	24	25	26	27.5	28	30	100	11½	5	8¼	7.2	4	62
3PH 24-200	24	25	26	27.5	28	30	200	11½	8½	8¼	7.2	6¼	90
3PH 48-30	42	44	47	50	52	55	30	7¾	6	5½	4.8	4⅞	35
3PH 48-60	42	44	47	50	52	55	60	11½	5	8¼	7.2	4	62
3PH 48-120	42	44	47	50	52	55	120	11½	8½	8¼	7.2	6¼	90

At higher power loads (above 2-3 KVA) it becomes inefficient to use single phase 115 or 230 volt standard lines. With this in mind, our engineering staff has developed a line of 3 phase transformers for use off 208 or 220V 3 phase power lines. These offer the significantly higher

conversion efficiency and lighter power line drain of 3 phase systems. Since the principal application of these items is in high power dc power supplies, output ratings are given in dc voltage and current assuming the use of a 3 phase full wave rectifier.

voltage regulators

MANUALLY CONTROLLED
LINE VOLTAGE ADJUSTMENT
65 TO 145V OR 145 TO 245V.
OUTPUTS 115V OR 230V.

Easy Line Voltage Adjustment: Switch provided for 65 to 145V or 145 to 245V inputs, 50/60 cycle.

Built-in Meter: Output continuously monitored with Red Line at 115V or 230V output, as required.

Simple Installation: Up to 2KVA (Style EB): Receptacle and Line Cord with Plug.

Over 2KVA (Style JB): Enclosed Junction Box, Panel Mounted with Leads. Knockouts provided on all sides.



STYLE "EB"

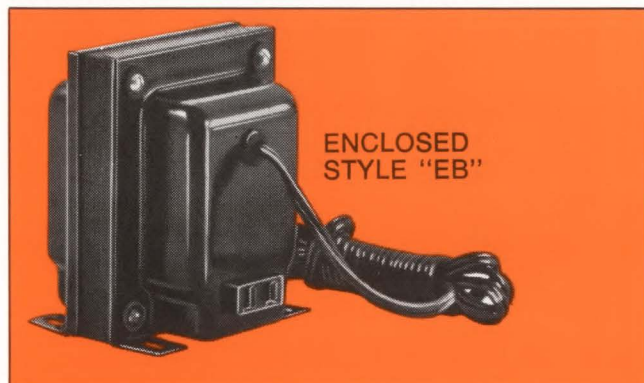


STYLE "JB"

	VA	Cat. No.	Style	Width	Depth	Height	Mtg. Centers	Lbs.
"300" SERIES INPUT RANGE: 65-75-90-100-115-130-145V. OUTPUT: 115V. — 50/60 CYCLE	150	315	EB	3 $\frac{7}{8}$	7	4 $\frac{7}{8}$	3 x 5	5.5
	350	335	EB	3 $\frac{7}{8}$	7 $\frac{5}{8}$	4 $\frac{7}{8}$	3 $\frac{1}{2}$ x 5 $\frac{5}{8}$	8
	500	350	EB	3 $\frac{7}{8}$	7 $\frac{5}{8}$	4 $\frac{7}{8}$	3 $\frac{1}{2}$ x 5 $\frac{7}{8}$	9
	750	375	EB	3 $\frac{7}{8}$	9 $\frac{1}{8}$	4 $\frac{7}{8}$	3 $\frac{1}{2}$ x 7 $\frac{1}{8}$	14.2
	1000	3100	EB	4 $\frac{1}{2}$	9	5 $\frac{5}{8}$	3 $\frac{1}{2}$ x 7 $\frac{3}{8}$	15.5
	1500	3150	EB	4 $\frac{1}{2}$	10 $\frac{1}{2}$	5 $\frac{5}{8}$	3 $\frac{1}{2}$ x 8	23.5
	2000	3200	JB	9 $\frac{1}{8}$	10 $\frac{1}{8}$	7 $\frac{1}{2}$	8 $\frac{1}{8}$ x 4	32
	3000	3300	JB	9 $\frac{1}{8}$	10 $\frac{5}{8}$	7 $\frac{1}{2}$	8 $\frac{1}{8}$ x 4 $\frac{1}{2}$	37
	5000	3500	JB	9 $\frac{1}{8}$	12 $\frac{1}{2}$	7 $\frac{1}{2}$	8 $\frac{1}{8}$ x 6 $\frac{1}{2}$	60
"400" SERIES INPUT RANGE: 65-75-90-100-115-130-145V. OUTPUT: 230V. — 50/60 CYCLE	150	415	EB	3 $\frac{7}{8}$	7 $\frac{1}{4}$	4 $\frac{7}{8}$	3 x 5 $\frac{1}{4}$	5
	350	435	EB	3 $\frac{7}{8}$	8 $\frac{1}{4}$	4 $\frac{7}{8}$	3 $\frac{1}{2}$ x 6 $\frac{1}{4}$	10
	500	450	EB	3 $\frac{7}{8}$	8 $\frac{7}{8}$	4 $\frac{7}{8}$	3 $\frac{1}{2}$ x 6 $\frac{7}{8}$	13
	750	475	EB	3 $\frac{7}{8}$	9 $\frac{5}{8}$	4 $\frac{7}{8}$	3 $\frac{1}{2}$ x 7 $\frac{3}{8}$	17
	1000	4100	EB	4 $\frac{1}{2}$	10	5	3 $\frac{1}{2}$ x 7 $\frac{1}{2}$	22
"500" SERIES INPUT RANGE: 145-160-175-190-210-225-245V. OUTPUT: 115V. — 50/60 CYCLE	150	515	EB	3 $\frac{7}{8}$	7	4 $\frac{7}{8}$	3 x 5	5.5
	350	535	EB	3 $\frac{7}{8}$	7 $\frac{5}{8}$	4 $\frac{7}{8}$	3 $\frac{1}{2}$ x 5 $\frac{5}{8}$	8
	500	550	EB	3 $\frac{7}{8}$	7 $\frac{7}{8}$	4 $\frac{7}{8}$	3 $\frac{1}{2}$ x 5 $\frac{7}{8}$	9
	750	575	EB	3 $\frac{7}{8}$	9 $\frac{1}{8}$	4 $\frac{7}{8}$	3 $\frac{1}{2}$ x 7 $\frac{1}{8}$	14.2
	1000	5100	EB	4 $\frac{1}{2}$	9	5 $\frac{5}{8}$	3 $\frac{1}{2}$ x 7 $\frac{3}{8}$	15.5
	1500	5150	EB	4 $\frac{1}{2}$	10 $\frac{1}{2}$	5 $\frac{5}{8}$	3 $\frac{1}{2}$ x 8	23.5
	2000	5200	JB	9 $\frac{1}{8}$	10 $\frac{1}{8}$	7 $\frac{1}{2}$	8 $\frac{1}{8}$ x 4	32
	3000	5300	JB	9 $\frac{1}{8}$	10 $\frac{5}{8}$	7 $\frac{1}{2}$	8 $\frac{1}{8}$ x 4 $\frac{1}{2}$	37
	5000	5500	JB	9 $\frac{1}{8}$	12 $\frac{1}{2}$	7 $\frac{1}{2}$	8 $\frac{1}{8}$ x 6 $\frac{1}{2}$	60
"600" SERIES INPUT RANGE: 145-160-175-190-210-225-245V. OUTPUT: 230V. — 50/60 CYCLE	150	615	EB	3 $\frac{7}{8}$	7	4 $\frac{7}{8}$	3 x 4 $\frac{1}{2}$	5
	350	635	EB	3 $\frac{7}{8}$	7 $\frac{3}{8}$	4 $\frac{7}{8}$	3 x 5 $\frac{1}{8}$	6.5
	500	650	EB	3 $\frac{7}{8}$	7 $\frac{5}{8}$	4 $\frac{7}{8}$	3 x 5 $\frac{3}{8}$	8
	750	675	EB	3 $\frac{7}{8}$	8 $\frac{3}{8}$	4 $\frac{7}{8}$	3 x 6 $\frac{1}{8}$	13
	1000	6100	EB	3 $\frac{7}{8}$	9 $\frac{1}{8}$	4 $\frac{7}{8}$	3 x 7 $\frac{1}{8}$	14.5

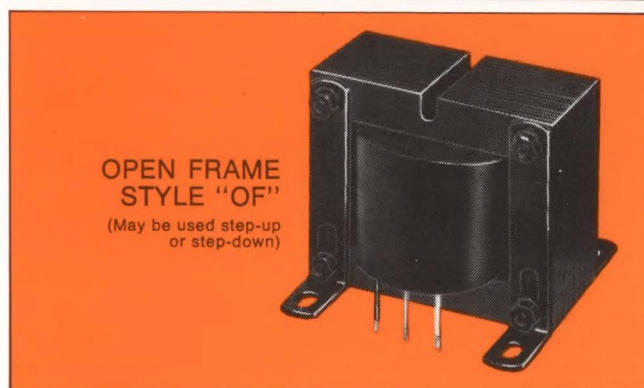
step down auto transformers

50/60 Hz 100-2000 VA — 230/115V



UL APPROVED 2 PRONG LINE CORD
RECEPTACLE — LOW REGULATION
BLACK ENAMEL FINISH

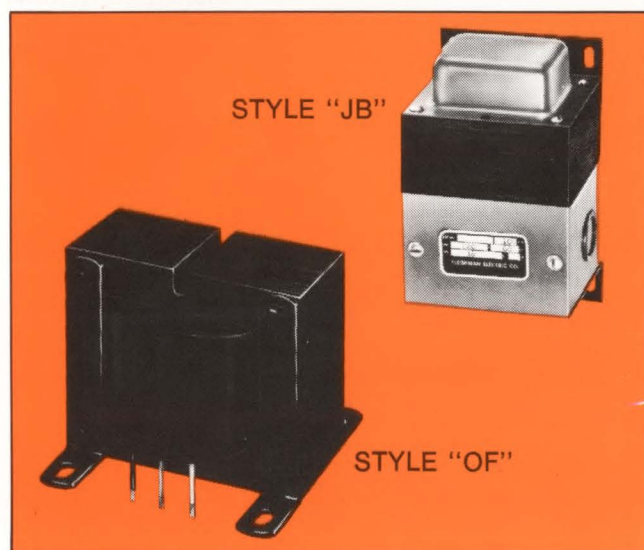
VA	Cat. No.	Width	Depth	Height	Mtg. Centers	Lbs.
100	110	1 $\frac{7}{8}$	2 $\frac{3}{8}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$ x 1 $\frac{11}{16}$	1.5
120	112	2 $\frac{7}{8}$	2 $\frac{1}{8}$	3 $\frac{1}{2}$	2 $\frac{1}{4}$ x 1 $\frac{3}{4}$	3.0
150	115	2 $\frac{7}{8}$	3 $\frac{3}{8}$	3 $\frac{1}{2}$	2 $\frac{1}{4}$ x 2	3.5
200	120	2 $\frac{7}{8}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	2 $\frac{1}{4}$ x 2 $\frac{1}{8}$	4.0
250	125	2 $\frac{7}{8}$	3 $\frac{3}{8}$	3 $\frac{1}{2}$	2 $\frac{1}{4}$ x 2 $\frac{1}{2}$	4.8
300	130	3 $\frac{1}{4}$	3 $\frac{3}{8}$	3 $\frac{3}{8}$	2 $\frac{1}{2}$ x 2 $\frac{7}{16}$	5.5
500	150	3 $\frac{1}{4}$	4 $\frac{7}{8}$	3 $\frac{3}{8}$	2 $\frac{1}{2}$ x 3 $\frac{7}{16}$	8
750	175	3 $\frac{1}{4}$	5 $\frac{7}{8}$	3 $\frac{3}{8}$	2 $\frac{1}{2}$ x 4 $\frac{7}{16}$	11
1000	1100	4 $\frac{1}{2}$	5 $\frac{1}{8}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$ x 3 $\frac{1}{2}$	14
1500	1150	4 $\frac{1}{2}$	6 $\frac{1}{8}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$ x 4 $\frac{1}{2}$	20
2000	1200	4 $\frac{1}{2}$	7 $\frac{1}{8}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$ x 5 $\frac{1}{2}$	26



BLACK ENAMEL FINISH. 8" LEADS
INEXPENSIVE VERSION FOR USE IN EQUIPMENT

VA	Cat. No.	Width	Depth	Height	Mtg. Centers	Lbs.
100	110-OF	2 $\frac{1}{4}$	2	1 $\frac{1}{2}$	2 $\frac{1}{8}$	1.3
120	112-OF	3 $\frac{3}{8}$	2 $\frac{1}{2}$	2 $\frac{7}{8}$	2 $\frac{1}{8}$ x 1 $\frac{7}{8}$	2.5
150	115-OF	3 $\frac{3}{8}$	2 $\frac{3}{4}$	2 $\frac{7}{8}$	2 $\frac{1}{8}$ x 2 $\frac{1}{8}$	3.0
200	120-OF	3 $\frac{3}{8}$	2 $\frac{7}{8}$	2 $\frac{7}{8}$	2 $\frac{1}{8}$ x 2 $\frac{1}{4}$	3.5
250	125-OF	3 $\frac{3}{8}$	3 $\frac{1}{4}$	2 $\frac{7}{8}$	2 $\frac{1}{8}$ x 2 $\frac{5}{8}$	4.2
300	130-OF	3 $\frac{3}{4}$	3 $\frac{1}{4}$	3 $\frac{1}{8}$	3 $\frac{1}{8}$ x 2 $\frac{1}{2}$	5.0
500	150-OF	3 $\frac{3}{4}$	4 $\frac{1}{4}$	3 $\frac{1}{8}$	3 $\frac{1}{8}$ x 3 $\frac{1}{2}$	8.0
750	175-OF	3 $\frac{3}{4}$	5 $\frac{1}{4}$	3 $\frac{1}{8}$	3 $\frac{1}{8}$ x 4 $\frac{1}{2}$	11
1000	1100-OF	5 $\frac{1}{4}$	4 $\frac{1}{2}$	4 $\frac{3}{8}$	4 $\frac{3}{8}$ x 3 $\frac{1}{8}$	14
1500	1150-OF	5 $\frac{1}{4}$	5 $\frac{1}{2}$	4 $\frac{3}{8}$	4 $\frac{3}{8}$ x 4 $\frac{1}{8}$	19
2000	1200-OF	5 $\frac{1}{4}$	6 $\frac{1}{2}$	4 $\frac{3}{8}$	4 $\frac{3}{8}$ x 5 $\frac{1}{8}$	25

HEAVY DUTY — 3 TO 6 KVA
230/115V OR 115/230V.
MAY BE USED STEP-UP OR
STEP-DOWN



"JB." VERY LOW REGULATION. BLACK ENAMEL
ENCLOSURES — PANEL MOUNTED
KNOCKOUTS ON ALL SIDES OF JUNCTION BOX.

KVA	Cat. No.	Width	Depth	Height	Mtg. Centers	Lbs.
3	1300	9 $\frac{1}{8}$	9	6 $\frac{5}{8}$	8 $\frac{1}{8}$ x 4 $\frac{1}{4}$	34
4	1400	9 $\frac{1}{8}$	9 $\frac{1}{2}$	6 $\frac{5}{8}$	8 $\frac{1}{8}$ x 4 $\frac{3}{4}$	41
5	1500	9 $\frac{1}{8}$	10 $\frac{5}{8}$	6 $\frac{5}{8}$	8 $\frac{1}{8}$ x 6	55
6	1600	9 $\frac{1}{8}$	11 $\frac{1}{4}$	6 $\frac{5}{8}$	8 $\frac{1}{8}$ x 6 $\frac{1}{2}$	60

"OF." BLACK ENAMEL FINISH. OPEN FRAME.
8" LEADS. INEXPENSIVE VERSION FOR
USE IN EQUIPMENT.

KVA	Cat. No.	Width	Depth	Height	Mtg. Centers	Lbs.
3	1300-OF	7 $\frac{1}{8}$	5 $\frac{1}{2}$	6 $\frac{1}{8}$	5 $\frac{1}{8}$ x 3 $\frac{3}{4}$	30
4	1400-OF	7 $\frac{1}{8}$	6	6 $\frac{1}{8}$	5 $\frac{1}{8}$ x 4 $\frac{1}{4}$	36
5	1500-OF	7 $\frac{1}{8}$	7	6 $\frac{1}{8}$	5 $\frac{1}{8}$ x 5 $\frac{1}{2}$	51
6	1600-OF	7 $\frac{1}{8}$	8 $\frac{1}{2}$	6 $\frac{1}{8}$	5 $\frac{1}{8}$ x 6	54

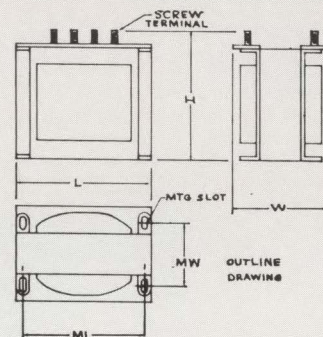
power isolation transformers

INDUSTRIAL GRADE/STEP-UP OR STEP-DOWN. MANY POSSIBLE VOLTAGE RATINGS.

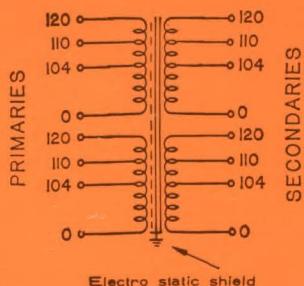
AVAILABLE FROM STOCK FOR IMMEDIATE SHIPMENT

The "DU" and "SU" lines are designed for a maximum of 55°C rise above ambient for use on standard power lines from 50 to 500 Cps. Only prime raw materials are used. Units are thoroughly impregnated and baked with Signal's own high gloss black baking varnish. The transformers are rugged in construction, well-insulated and have a consistently uniform appearance. All ratings are at full load current, continuous operation. 2500V. RMS Hipot is standard.

Heavy ¼ inch phenolic terminal boards are provided with plated brass screws and flat washers (10-32 on ¼ and ½ KVA, ¼-20 on larger sizes). Connections can be easily made with a nut driver. It is also simple to alter the interconnections to change transformer ratings. **Electro static shields are provided grounded to the core.** The connection is made with a lug to ground and may be opened if an ungrounded shield is desired.



DU SERIES 110/220 Dual Primary to 110/220V. Dual Sec. (Primary & Secondary may be reversed)

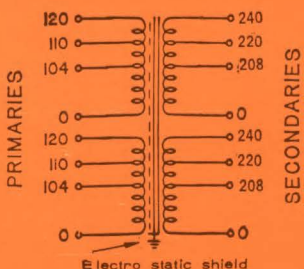


As shown on the schematic diagram the "DU" line is designed with dual primaries and secondaries. All four windings are identically rated at 0/104/110/120 volts. This permits series or parallel connections on either primary or secondary. Therefore, a nominal 110 to 110 volt, 220 to 220 volt, 110 to 220 volt, or 220 to 110 volt transformer can be set up. The winding taps permit intermediate series ratings such as 208, 214, or 230 volts. It is also possible to make auto-transformer connections by connecting a primary group in series with a secondary group. Such nominal ratings as 440 to 220 volts or 220 to 440 volts can be set-up, in addition to the standard ratings described above. A further advantage to auto-transformer connection is the fact that the KVA rating of a particular type is doubled.

Part No.	KVA	Series Secondaries		Parallel Secondaries		Mechanical Dimensions					Mtg. & Term. Screw	Appr. Lbs.
		Volts	Max. Amps	Volts	Max. Amps	L *	W *	H *	ML †	MW ‡		
DU-¼	¼	0/208/220/240	1.1	0/104/110/120	2.2	5⅞	4¼	5¼	4⅜	2½	#10	12
DU-½	½	0/208/220/240	2.3	0/104/110/120	4.6	5⅞	5⅞	5¼	4⅜	3⅝	#10	18
DU-1	1	0/208/220/240	4.5	0/104/110/120	9	7⅞	6¼	7¼	6¾	4⅞	¼	33
DU-2	2	0/208/220/240	9	0/104/110/120	18	7⅞	8¼	7¼	6¾	6	¼	56
DU-3	3	0/208/220/240	14	0/104/110/120	28	7⅞	9¼	7¼	6¾	7	¼	70
DU-5	5	0/208/220/240	23	0/104/110/120	46	7⅞	10¾	7¼	6¾	8½	¼	89
DU-7.5	7.5	0/208/220/240	31	0/104/110/120	62	9	9	8	7½	6½	¼	105
DU-10	10	0/208/220/240	41	0/104/110/120	83	9	13	8	7½	9	¼	150

* Maximum. † ±½. ‡ ±¼.

SU SERIES 110/220 Dual Primary to 220/440V. Dual Sec. (Primary & Secondary may be reversed)



"SU" transformers are similar to "DU" types except that a 220/240V secondary is provided.

Part No.	KVA	Series Secondaries		Parallel Secondaries		Mechanical Dimensions					Mtg. & Term. Screw	Appr. Lbs.
		Volts	Max. Amps	Volts	Max. Amps	L *	W *	H *	ML †	MW ‡		
SU-¼	¼	0/416/440/480	0.55	0/208/220/240	1.1	5⅞	4¼	5¼	4⅜	2½	#10	12
SU-½	½	0/416/440/480	1.15	0/208/220/240	2.3	5⅞	5⅞	5¼	4⅜	3⅝	#10	18
SU-1	1	0/416/440/480	2.25	0/208/220/240	4.5	7⅞	6¼	7¼	6¾	4⅞	¼	33
SU-2	2	0/416/440/480	4.5	0/208/220/240	9	7⅞	8¼	7¼	6¾	6	¼	56
SU-3	3	0/416/440/480	7	0/208/220/240	14	7⅞	9¼	7¼	6¾	7	¼	70
SU-5	5	0/416/440/480	11.5	0/208/220/240	23	7⅞	10¾	7¼	6¾	8½	¼	89
SU-7.5	7.5	0/416/440/480	15.5	0/208/220/240	31	9	9	8	7½	6½	¼	105
SU-10	10	0/416/440/480	20.5	0/208/220/240	41	9	13	8	7½	9	¼	150

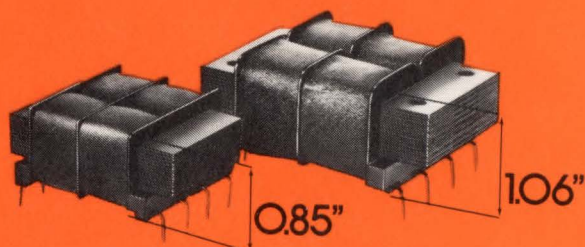
* Maximum. † ±½. ‡ ±¼.

flathead® plug in power transformers

FOR PRINTED CIRCUIT APPLICATIONS

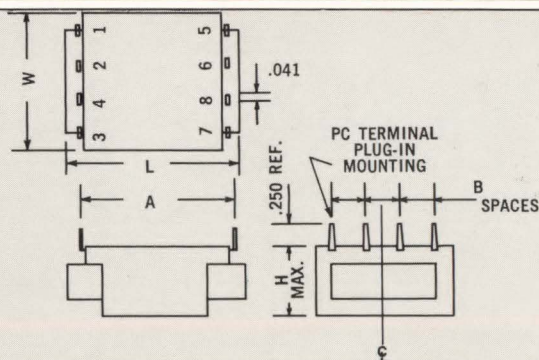
2 SIZES — 6VA — 0.850 inches high

12VA — 1.065 inches high



Part No.	Size	SECONDARY*	
		Series	Parallel
LP 10-600	6	10V C.T. @ 600MA	5V @ 1.2A
LP 10-1200	12	10V C.T. @ 1200MA	5V @ 2.4A
LP 12-450	6	12.6V C.T. @ 450MA	6.3V @ 900MA
LP 12-900	12	12.6V C.T. @ 900MA	6.3V @ 1.8A
LP 16-350	6	16V C.T. @ 350MA	8V @ 700MA
LP 16-700	12	16V C.T. @ 700MA	8V @ 1.4A
LP 20-300	6	20V C.T. @ 300MA	10V @ 600MA
LP 20-600	12	20V C.T. @ 600MA	10V @ 1.2A
LP 24-250	6	24V C.T. @ 250MA	12V @ 500MA
LP 24-500	12	24V C.T. @ 500MA	12V @ 1A
LP 34-170	6	34V C.T. @ 170MA	17V @ 340MA
LP 34-340	12	34V C.T. @ 340MA	17V @ 680MA
LP 40-150	6	40V C.T. @ 150MA	20V @ 300MA
LP 40-300	12	40V C.T. @ 300MA	20V @ 600MA
LP 56-100	6	56V C.T. @ 100MA	28V @ 200MA
LP 56-200	12	56V C.T. @ 200MA	28V @ 400MA
LP 88-65	6	88V C.T. @ 65MA	44V @ 130MA
LP 88-130	12	88V C.T. @ 130MA	44V @ 260MA
LP 120-50	6	120V C.T. @ 50MA	60V @ 100MA
LP 120-100	12	120V C.T. @ 100MA	60V @ 200MA
LP 230-25	6	230V C.T. @ 25MA	115V @ 50MA
LP 230-50	12	230V C.T. @ 50MA	115V @ 100MA

* Regulation of Size 6 units is 30%, i.e., no load-secondary voltage is 30% higher than full load.
Regulation of Size 12 units is 20%.



Size	L	W	H	A	B	Oz.
6	1 7/8	1 1/8	0.850	1.600	0.375	7
12	2 1/2	2	1.065	2.000	0.500	11

LOW PROFILE: Allows 1 inch card spacing for 6va units or 1 1/4 inch card spacing for 12va units.

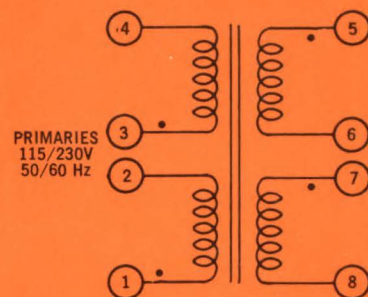
DUAL PRIMARIES: 115/230v, 50/60 Hz.

NON-CONCENTRIC WINDING: Where secondary is wound along-side primary rather than directly over it. This added isolation reduces inter-winding capacitance and **eliminates the need for an electro-static shield.**

1500V. RMS HIPOT: Is standard because of the advantage of non-concentric windings.

HUM-BUCKING CONSTRUCTION: (Semi-toroidal) results in reduced radiated magnetic field and balanced windings.

The LP line of transformers is ideal for low height, critical pc board power applications in semi-conductor control and instrumentation. They are used extensively in single or dual output dc supplies and isolated control circuit and reference supplies.



*INDICATES LIKE POLARITY

signal
TRANSFORMER

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