

CONTROL TRANSFORMERS

HPS IMPERATOR® MACHINE TOOL INDUSTRIAL CONTROL TRANSFORMERS

Just Added

HPS Hammond Power Solutions Inc.



Up to 100VA

150VA and Up

- 600V class
- 50/60 Hz
- Superior insulation system
- Constructed with high quality silicon steel laminations

- Encapsulated coils protect against moisture, dirt and other contaminants
- Lifetime warranty (limited)
- UL listed for US and Canada, CE compliant

HPS Imperial series unique terminal block design allows for the quick and easy installation of standard secondary or optional primary 13/32" x 1 1/2" midget/type CC fuse clips on every unit. Eleven standard multi primary and secondary voltage groups available; go online or call.

PRIMARY: 240/480, 230/460, 220/440V; SECONDARY: 12/24, 11.5/23, 11/22V

Mfg. Part No.	VA	Dimensions (in.)			Weight (lbs.)	Stock No.	Price 1-9
		H	W	D			
PH75QR	75	3.56	3.25	3.88	3.54	48M5044	45.27
PH100QR	100	3.63	3.25	4.19	4.5	48M4988	51.10
PH150QR	150	3.81	4	4.94	5.7	48M5001	66.37
PH250QR	250	3.81	4.5	5.44	7.5	48M5012	88.10

PRIMARY: 120/240, 115/230, 110/220V; SECONDARY: 120/240, 115/230, 110/220V

PH50PP	50	3.19	3	4.38	3.5	16F8384	41.25
PH75PP	75	3.56	3.25	3.88	3.54	16F8385	45.27
PH150PP	150	3.81	4	4.94	5.7	16F8387	66.37

PRIMARY: 120/240, 115/230, 110/220V; SECONDARY: 12/24, 11.5/23, 11/22V

PH350PG	350	4.44	4.5	5.19	10.1	48M5021	93.40
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PRIMARY: 600/480/240, 575/460/230, 550/440/220V; SECONDARY: 120/25, 115/24, 110/23V

PH75MBMH	75	3.63	3.25	4.19	4.5	48M5038	53.12
PH100MBMH	100	3.81	4	4.63	4.9	48M4983	60.01
PH150MBMH	150	3.81	4	5.44	7.6	48M4995	77.93
PH250MBMH	250	4.44	4.5	5.19	10.1	48M5006	103.37
PH350MBMH	350	4.44	4.5	5.56	11	48M5016	120.13

PRIMARY: 480/240, 460/230/208, 440/220/200V; SECONDARY: 120/25, 115/24, 110/23V

PH50MLI	50	3.56	3.25	4.06	4	48M5026	41.25
PH75MLI	75	3.56	3.25	4.25	4.6	48M5041	45.27
PH100MLI	100	3.63	3.25	4.69	5.2	48M4986	51.10
PH350MLI	350	4.44	4.5	5.56	11	48M5019	102.31
PH750MLI	750	4.94	5.25	6.5	71	48M5048	174.08

PRIMARY: 415/400/380V; SECONDARY: 110/220V

PH50MEMX	50	3.19	3	4.38	3.5	48M5024	44.86
PH75MEMX	75	3.63	3.25	4.06	4.1	48M5039	49.20
PH100MEMX	100	3.63	3.25	4.19	4.5	48M4984	55.56
PH150MEMX	150	3.81	4	4.94	5.7	48M4996	72.10
PH250MEMX	250	3.81	4.5	5.44	7.5	48M5007	95.75
PH350MEMX	350	4.44	4.5	5.19	10.1	48M5017	111.22

PRIMARY: 480/277/208V; SECONDARY: 120/240V

PH75MGJ	75	3.63	3.25	4.19	4.5	48M5040	45.27
PH100MGJ	100	3.63	3.25	4.69	5.2	48M4985	51.10
PH150MGJ	150	3.81	4	5.44	7.6	48M4997	66.37
PH250MGJ	250	4.44	4.5	4.88	8.3	48M5008	88.10

ACCESSORIES*

Mfg. Part No.	Description	Stock No.	Price 1-9
FGF1	Fused Finger Guard Kit	48M4911	2.02
FG3	Fused Finger Guard Kit	48M4915	2.12
PFK1	Primary Fuse Kits	48M4976	3.51
PFK2	Primary Fuse Kits	48M4977	3.51
PFK3	Primary Fuse Kits	48M4978	3.51
PFK4	Primary Fuse Kits	48M4979	5.31
PFK5	Primary Fuse Kits	48M4980	5.31
PFK6	Primary Fuse Kits	48M4981	4.04
PFK7	Primary Fuse Kits	48M4982	4.04

*For proper sizing of finger guard kit and fuse, go online or call. (147225)

SBE SERIES INDUSTRIAL CONTROL TRANSFORMERS



SOLAHD



- 50/60Hz
- Copper-wound
- Standard Power Ratings from 50 through 1000VA
- 55°C Rise, 105°C Insulation System
- Meets or Exceeds NEMA Standard ST 1 and ANSI C89.1
- Integrally Molded, Flame Retardant (IEC 707/ISO Class 1210) Terminal Blocks

SBE series of encapsulated industrial control transformers are epoxy-encapsulated to protect against dust, mildew and other contaminants. Features copper windings to reduce I²R losses. Available from 50VA to 1kVA, the mounting dimensions of the redesigned SBE series are the same as the original SBE and compatible with similar control transformers for quick and easy installation. cULus listed.

120 x 240V PRIMARY, 24V SECONDARY, 60Hz

Mfg. Part No.*	VA	H x W x D (in.)	Weight (lbs)	Stock No.	Price Each
					1-4
● E050E	50	2.72 x 3.01 x 3.99	3	93K6542	42.73
● E075E	75	2.96 x 3.39 x 4.36	4	93C0739	53.72
● E100E	100	2.96 x 3.39 x 4.61	5	93K6546	57.38
● E150E	150	3.89 x 4.5 x 4.48	8	15M9098	69.58
● E300E	300	4.53 x 5.25 x 5.09	12	93K6552	106.23
● E500E	500	4.53 x 5.25 x 6.31	19	65H4388	138.40

220 x 440V PRIMARY, 110V SECONDARY, 50/60Hz; 230 x 440V PRIMARY, 115V SECONDARY, 50/60Hz; 240 x 480V PRIMARY, 120V SECONDARY, 60Hz

● E050	50	2.72 x 3.01 x 3.99	3	93K6541	37.86
● E075	75	2.96 x 3.39 x 4.36	4	93K6544	42.73
● E100	100	2.96 x 3.39 x 4.61	5	93K6545	46.40
● E150	150	3.89 x 4.5 x 4.48	8	93K6548	54.94
● E200	200	3.89 x 4.5 x 4.79	10	93K6549	65.91
● E250	250	3.89 x 4.5 x 5.21	11	93K6550	78.14
● E350	350	4.53 x 5.25 x 5.53	15	93K6553	91.57
● E500	500	4.53 x 5.25 x 6.31	19	93K6554	109.88
● E750	750	5.56 x 6.38 x 6.93	31	93K6556	151.39
● E1000	1000	5.56 x 6.38 x 7.36	36	93K6547	196.56

*NOTE: Call Newark to special order transformers with factory-installed primary fuse holder Class "CC" and secondary fuse holder plus safety covers. When special ordering simply add "WA" suffix to mfg. part no. for 1/4" x 1 1/4" glass or ceramic fuse type or add "WB" suffix to mfg. part no. for 13/32" x 1 1/2" midget cartridge fuse type. Add only "W" suffix to part number for "WB" option without covers.

TE SERIES 208/240/277/380/480V PRIMARY, 24V SECONDARY cULus LISTED, CE COMPLIANT

● E050TE	50	2.96 x 3.39 x 4.36	4.0	93K6543	153.82
● E100TE	100	3.89 x 4.5 x 4.48	8.0	93C1956	148.05
● E150TE	150	3.89 x 4.5 x 5.21	11.0	93C2052	159.67
● E250TE	250	4.53 x 5.25 x 5.53	15.0	93K6551	201.87
● E500TE	500	5.56 x 6.38 x 6.93	30.0	93C2314	291.78

UNIVERSAL VOLTAGE 240/416/480/600V PRIMARY, 120/115/110V SECONDARY (NOT ENCAPSULATED) cULus LISTED, CE COMPLIANT

Mfg. Part No.	VA	Height	Width	Depth	Weight (lbs)	Stock No.	Price Each
							1-4
● E500TF	500	5.56"	6.38"	6.93"	30.0	93K6555	235.58

ACCESSORIES

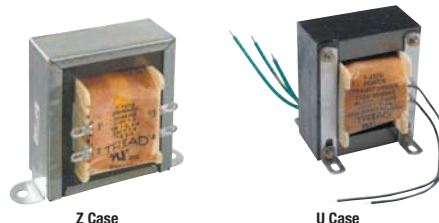
Mfg. Part No.	Description	Stock No.	Price Each
			1-4
● IP20	IEC Touchproof Cover Kit	07H4083	11.56
● SBEDIN	IEC Fuseholder Adapter Kit	78H1164	18.49

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F SERIES POWER TRANSFORMERS FOR CONTROL CIRCUITS



TRIAD



Z Case

U Case

Rated: primary 115/230V, 50/60Hz.

Mfg. Part No.	Case	Power VA	Secondary		H x W x D	Stock No.	Price Each
			Series (VT)	Parallel			
● F-105Z	Z	12	12V CT @ 1A	6V @ 2A	2.375 x 2.875 x 1.750"	28M9237	18.33
● F-106Z	Z	24	12V CT @ 2A	6V @ 4A	2.750 x 3.125 x 2.000"	03F1032	18.75
● F-107Z	Z	48	24V CT @ 2A	12V @ 4A	3.125 x 3.625 x 2.375"	76K4965	13.89
● F-108U	U	96	24V CT @ 4A	12V @ 8A	3.406 x 2.813 x 3.187"	76K4966	29.91

➔ CONTINUED ➔

CONTROL TRANSFORMERS • POWER TRANSFORMERS

F SERIES POWER TRANSFORMERS FOR CONTROL CIRCUITS (CONT.)

Mfg. Part No.	Case	Power VA	Secondary		H x W x D	Stock No.	Price Each
			Series (VT)	Parallel			
● F-109U	U	192	24V CT @ 8A	12V @ 16A	4.187 x 3.436 x 3.563"	03F1035	55.67
F-211Z	Z	12	48V CT @ 0.25A	24V @ 0.5A	2.375 x 2.875 x 1.750"	02F1031	18.14
● F-212Z	Z	24	48V CT @ 0.5A	24V @ 1A	2.750 x 3.125 x 2.000"	02F1032	20.17
● F-213Z	Z	48	48V CT @ 1A	24V @ 2A	3.125 x 3.625 x 2.375"	69M3596	21.88
● F-214U	U	96	48V CT @ 2A	24V @ 4A	3.406 x 2.813 x 2.187"	28M9243	25.14
● F-215U	U	192	48V CT @ 4A	24V @ 8A	4.187 x 3.436 x 3.875"	76K4977	44.75

(6012)

PC BOARD AND CHASSIS MOUNT
POWER TRANSFORMERS

TRIAD



Fig. 1



Fig. 2



Fig. 3

PC BOARD MOUNT FLAT PACK® 115/230 VOLT, 50/60Hz POWER TRANSFORMERS — FIG. 1

Meet the needs of low-clearance PC boards and solid state power designs. Can also be used for control and instrumentation applications. Voltages and currents are chosen for widely-used power applications, and can be used in single or dual-output supplies. Designed to pass 2,000V HiPot test.

Single or dual output supplies designed to pass 2000V rms stress					
Mfg. Part No.	Case Dimensions		Wt. (Lbs.)	Stock No.	Price Each
	H x W x D (Inches)				1-9
● FP12-475	0.875 x 1.562 x 1.875		0.44	81F2414	9.51
● FP16-375	0.875 x 1.562 x 1.875		0.44	81F2415	9.51
● FP20-300	0.875 x 1.562 x 1.875		0.44	78K8144	9.51
● FP24-250	0.875 x 1.562 x 1.875		0.44	78K8146	9.51
● FP30-200	0.875 x 1.562 x 1.875		0.44	81F2418	9.51
● FP230-25	0.875 x 1.562 x 1.875		0.44	78K8145	9.51
● FP12-950	1.062 x 2.000 x 2.500		0.70	81F2420	11.09
● FP30-400	1.062 x 2.000 x 2.500		0.70	18M9086	11.09
● FP230-50	1.062 x 2.000 x 2.500		0.70	44F3339	11.09

PC BOARD MOUNT SPLIT PACK 115/230 VOLT, 50/60Hz POWER TRANSFORMERS — FIG. 2

Dual primary, 8-pin split bobbin transformers are nonconcentrically wound—with primary and secondary wound side-by-side. Design permits 2,500V HiPot testing.

● FS12-090	0.938 x 1.125 x 1.375	0.17	78K8148	9.18
● FS10-250	0.813 x 1.125 x 1.375	0.25	78K8147	7.13
● FS12-200	0.813 x 1.125 x 1.375	0.25	16M1387	10.97
● FS16-150	0.813 x 1.125 x 1.375	0.25	81F2426	7.13
● FS20-120	0.813 x 1.125 x 1.375	0.25	44F3341	9.48
● FS24-100	0.813 x 1.125 x 1.375	0.25	93B7393	9.48
● FS28-85	0.813 x 1.125 x 1.375	0.25	91B9103	9.48
● FS36-65	0.813 x 1.125 x 1.375	0.25	81F2428	7.13
● FS56-045	0.813 x 1.125 x 1.375	0.25	37B9104	9.48
● FS12-500	0.938 x 0.938 x 1.625	0.44	90B9640	10.11
● FS16-400	0.938 x 0.938 x 1.625	0.44	81F2430	7.61
● FS20-300	0.938 x 0.938 x 1.625	0.44	44F3330	11.71
● FS24-250	0.938 x 0.938 x 1.625	0.44	81F2431	7.61
● FS36-170	0.938 x 0.938 x 1.625	0.44	28M9250	7.61
● FS12-1000	1.438 x 1.563 x 1.875	0.70	78K8149	8.72
● FS16-800	1.438 x 1.563 x 1.875	0.70	78K8150	8.72
● FS20-600	1.438 x 1.563 x 1.875	0.70	44F3333	11.59
● FS24-500	1.438 x 1.563 x 1.875	0.70	81F2435	8.72
● FS28-420	1.438 x 1.563 x 1.875	0.70	97B1702	11.59
● FS36-350	1.438 x 1.563 x 1.875	0.70	81F2436	8.72
● FS24-1500	1.563 x 2.188 x 1.625	1.10	37B9094	17.74

CHASSIS MOUNT QUICK PACK 115 VOLT, 50/60Hz POWER TRANSFORMERS — FIG. 3

Can offer significant reduction in size and weight for a given VA rating. Plus, these transformers come with a special quick connect or solder terminal. Available in 4 sizes. Split bobbin design permits 2500V HiPot testing. Available with single 115V or dual 115/230V, 50/60Hz primary.

Mfg. Part No.	Case Dimensions		Wt. (Lbs.)	Stock No.	Price Each
	H x W x D (Inches)				1-9
● FD5-12	1.625 x 1.375 x 2.813		0.70	80K5846	9.00
● FD5-24	1.625 x 1.375 x 2.813		0.70	76K4987	9.00
● FD6-24	1.938 x 1.688 x 3.250		1.10	94F8646	11.66
● FD7-24	2.250 x 1.813 x 3.688		1.70	76K4989	14.26
● FD7-36	2.250 x 1.813 x 3.688		1.70	76K4990	14.26

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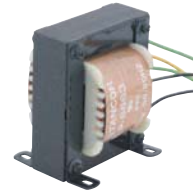
24-40V POWER TRANSFORMERS



STANCOR.



Style A



Style NV

Primaries 50/60Hz. May be operated from 400Hz source with no changes in output ratings. Termination leads.

Mfg. Part No.	Style	Secondary†		Primary Volts	Insulation Test RMS Volts*	Case Dimensions (in.)			Stock No.	Price Each
		Volts+	Amps			H	W	D		
● P-8578	A	24.0C.T	0.20	115/230	1500	1 3/8"	2 3/8"	1 1/2"	44F3094	16.82
● P-8396	A	24.0C.T	0.400	117	1500	1 3/4"	2 7/8"	1 5/8"	01F956	14.81
● P-8397	A	24.0C.T	0.700	117	1500	2"	3 1/4"	1 3/4"	16M3823	15.59
● P-8661	A	24.0C.T	1.0	117	1500	2"	3 1/4"	2 1/8"	16M4554	16.64
● P-8575	A	24.0C.T	1.0	115/230	1500	2"	3 1/4"	2 1/8"	16M4535	17.53
● P-8662	A	24.0C.T	2.0	117	1500	2 5/8"	4"	2 3/8"	16M4555	24.29
● P-8663	NV	24.0C.T	4.0	117	1500	3 3/8"	3 3/8"	2 1/8"	16M4556	47.63
● P-8664	NV	24.0C.T	6.0	117	1500	4 3/8"	3 3/8"	3"	16M4557	51.73
● P-8665	NV	24.0C.T	8.0	117	1500	4 3/8"	3 3/8"	3 3/8"	05F520	58.10
● P-8695	NV	24.0C.T	10.0	115	1500	4 5/8"	3 3/8"	3 1/2"	44F3096	181.66
● P-8666	NV	24.0C.T	12.0	117	1500	4 5/8"	3 3/4"	4 5/8"	16M4559	121.91
● P-6469	A	25.2	1.0	117	1500	2"	3 1/4"	2 1/8"	16M3810	18.40
● P-8180	A	25.2C.T	1.0	117	1500	2"	3 1/4"	2 1/4"	01F944	17.40
● P-8357	A	25.2C.T	2.0	117	1500	2 5/8"	4"	2 1/4"	01F883	30.31
● P-8574	A	25.2C.T	2.0	115/230	1500	2 5/8"	4"	2 1/4"	34M7911	27.88
● P-8388	A	25.2C.T	2.8	117	1500	2 5/8"	4"	2 1/4"	01F945	35.61
● P-8609	A	26.8C.T	1.0	117	1500	2"	3 1/4"	2 1/8"	26M8287	17.26
● P-8601	A	28.0C.T	0.175	117	1500	1 3/8"	2 3/8"	1 1/2"	01F959	16.57
● P-8602	A	28.0C.T	0.30	117	1500	1 3/4"	2 7/8"	1 5/8"	01F960	16.39
● P-8667	A	28.0C.T	1.0	117	1500	2"	3 1/4"	2 1/8"	18M9279	20.88
● P-8668	NV	28.0C.T	2.0	117	1500	3 1/8"	2 1/2"	2 1/2"	05F526	30.18
● P-8611	A	36.0C.T	0.135	117	1500	1 3/8"	2 3/8"	1 3/8"	01F963	15.59
● P-8612	A	36.0C.T	0.300	117	1500	1 3/4"	2 7/8"	1 5/8"	16M3827	15.95
● P-8613	A	36.0C.T	0.550	117	1500	2"	3 1/4"	1 7/8"	16M3828	18.56
● P-8671	A	36.0C.T	1.0	117	1500	2 3/8"	3 3/4"	2 1/4"	05F529	24.49
● P-8672	NV	36.0C.T	2.0	117	1500	3 1/8"	2 1/2"	2 1/2"	05F530	45.11
● P-8673	NV	36.0C.T	4.0	117	1500	4 3/8"	3 3/4"	2 7/8"	05F531	50.85
● P-8566	NV	40C.T	4.0	115	1500	3 3/8"	3 3/8"	3 1/2"	16M4533	63.11

*Twice allowable RMS working voltage plus 1000 volts; †RMS values; +C.T. denotes secondary has an extra center tap connection to provide half the rated voltage output. NOTE: center tap should be insulated if not used.

(6024)

5-24V POWER TRANSFORMERS

Just Added



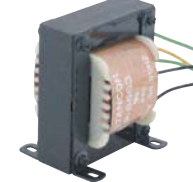
STANCOR.



Style A



Style C



Style NV

- 50/60Hz Primaries
- Can Be Operated from a 400Hz Source with No Change in Output Ratings
- Operating Temperature: -40°C to +105°C
- Class A Insulating Materials
- Applications Include: Power Supplies, Automatic Assembly Equipment, Speed Changers, CNC Controllers, Alarm Systems

Mfg. Part No.	Style	Secondary†		Primary Volts	Insulation Test V _{RMS} *	Case Dimensions (in.)			Stock No.	Price Each
		Volts+	Amps			H	W	D		
P-6467	A	5.0C.T.	3.0	117	2500	2"	3 1/4"	2 1/8"	01F095	20.01
P-8385	A	6.3C.T.	0.3	117	1500	1 1/4"	2 3/8"	1 3/8"	05F1409	18.85
● P-6465	A	6.3C.T.	0.6	117	1500	1 3/8"	2 3/8"	1 1/2"	16M3807	11.06
● P-8705	A	6.3C.T.	0.6	230	1500	1 3/8"	2 3/8"	1 1/2"	16M4568	12.65
P-8389	A	6.3	1.0	117	1500	1 3/4"	2 7/8"	1 5/8"	01F946	15.99
● P-6134	A	6.3C.T.	1.2	117	3000	1 3/4"	2 7/8"	1 7/8"	16P8886	13.68
● P-6466	A	6.3C.T.	3.0	117	2500	2"	3 1/4"	2 1/8"	16M3808	18.47

➔ CONTINUED ➔

POWER TRANSFORMERS

5-24V POWER TRANSFORMERS (CONT.)

Mfg. Part No.	Style	Secondary†		Primary Volts 50/60Hz	Insulation Test V _{RMS} *	Case Dimensions (in.)			Stock No.	Price Each 1-9
		Volts+	Amps			H	W	D		
P-8651	A	6.3C.T.	8.0	117	1500	2 5/8"	4"	2 5/8"	05F503	30.99
P-6464	C	6.3C.T.	10.0	117	2000	3 1/2"	2 13/16"	3 1/4"	05F1411	80.20
● P-8652	A	10.0C.T.	1.0	117	1500	2"	3 1/4"	2"	05F504	19.74
P-8380	A	10.0C.T.	3.0	117	1500	2 1/4"	3 3/4"	2 1/4"	01F048	34.83
● P-5016	NV	10.0C.T.	4.0	117	2500	3 1/8"	2 13/16"	2 1/2"	16M3799	47.97
P-8655	NV	10.0C.T.	6.0	117	1500	3 1/8"	2 1/2"	2 5/8"	05F507	44.60
● P-8656	NV	10.0C.T.	8.0	117	1500	3 1/2"	2 13/16"	3"	05F508	63.79
● P-8390	A	12.0	0.150	117	1500	1 1/4"	2 1/8"	1 1/4"	16M3817	11.71
P-8391	A	12.0	0.350	117	1500	1 3/8"	2 3/8"	1 3/8"	01F951	12.34
P-8392	A	12.0	0.700	117	1500	1 3/4"	2 7/8"	1 5/8"	01F952	12.51
P-8393	A	12.0	1.200	117	1500	2"	3 1/4"	1 5/8"	01F953	15.55
P-8657	A	12.0	2.0	117	1500	2"	3 1/4"	2 1/8"	05F509	18.74
P-8658	A	12.0	4.0	117	1500	2 5/8"	4"	2 1/4"	05F510	26.41
P-8660	NV	12.0	8.0	117	1500	3 3/8"	3 3/8"	2 3/4"	05F512	48.36
P-8384	A	12.6C.T.	1.0	117	1500	2"	3 1/4"	1 3/4"	05F1412	21.23
P-8130	A	12.6C.T.	2.0	117	1500	2"	3 1/4"	2 1/8"	01F120	18.07
● P-8641	A	12.6C.T.	4.0	117	1500	2 5/8"	4"	2 3/8"	05F1414	29.02
● P-8553	A	14.0C.T.	0.250	117	1500	1 3/8"	2 3/8"	1 1/8"	16M4528	12.94
P-8557	NV	14.0C.T.	4.0	115	1500	3"	2 9/16"	2 1/8"	44F3075	35.86
P-8558	NV	14.0C.T.	6.0	115	1500	3 1/2"	2 13/16"	2 7/8"	44F3076	48.38
● P-8691	A	18.0C.T.	1.0	115	1500	2"	3 3/8"	2 1/8"	16M4564	17.22
● P-8693	A	18.0C.T.	2.0	115	1500	2 3/8"	3 3/4"	2 1/4"	16M4565	26.88
● P-8504	A	20.0C.T.	0.250	115/230	2500	1 1/8"	2 3/8"	1 3/8"	44F3085	17.24
● P-8508	A	20.0C.T.	1.0	115/230	2500	2"	3 1/4"	2 1/4"	16M4526	22.10
● P-8604	A	20.0C.T.	1.0	117	1500	2"	3 1/4"	2 1/8"	16M4536	19.03
P-8559	A	20.0C.T.	2.0	115	1500	2 9/16"	4"	2 1/4"	44F3090	29.02
P-8560	NV	20.0C.T.	4.0	115	1500	3 1/2"	2 13/16"	3 1/8"	44F3091	48.64
● P-8551	A	24.0	1.0	115	1500	1 13/16"	3 3/4"	2 1/8"	16M4527	15.68
● P-8694	A	24.0	2.0	115	1500	2 5/8"	4"	2"	16M4566	27.48
● P-8394	A	24.0C.T.	0.085	117	1500	1 1/4"	2 1/8"	1 1/4"	34M7910	13.34

*Twice allowable RMS working voltage plus 1000 volts; †RMS values; #60Hz only; +C.T. denotes secondary has an extra center tap connection to provide half the rated voltage output. **NOTE:** center tap should be insulated if not used. (6026)

POWER TRANSFORMERS — DUAL PRIMARY/DUAL SECONDARY



STANCOR.



Style S



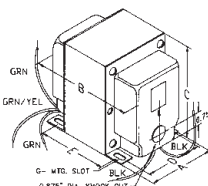
Style NV

Primaries 115/230V, 50/60Hz. Solder lug termination. With dual secondary windings. UL recognized.

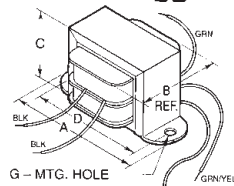
Mfg. Part No.	Style	VA Cap	Output From Two Secondary Windings†			Case Dimensions (in.)			Stock No.	Price Each 1-9
			Individually	Parallel	Series	H	W	D		
● P-6375	S	12	6V @ 1A	6V @ 2A	12V @ 1A	2 3/8"	2 1/8"	1 3/4"	34M7909	16.42
● P-6376	S	24	6V @ 2A	6V @ 4A	12V @ 2A	2 3/4"	3 1/8"	2"	16M3802	25.41
● P-6377	S	48	12V @ 2A	12V @ 4A	24V @ 2A	3 1/8"	3 3/8"	2 1/4"	16M3803	27.49
● P-6378	NV	96	12V @ 4A	12V @ 8A	24V @ 4A	3 1/2"	2 13/16"	3 1/4"	16M3804	45.96
P-6379	NV	192	12V @ 8A	12V @ 16A	24V @ 8A	4 1/4"	3 1/8"	3 3/8"	01F198	109.59
P-8615	S	12	24V @ 0.25A	24V @ 0.5A	48V @ 0.25A	2 3/8"	2 1/8"	1 3/4"	05F1434	22.50
● P-8616	S	24	24V @ 0.5A	24V @ 1A	48V @ 0.5A	2 3/4"	3 1/8"	2"	16M4538	22.43
● P-8617	S	48	24V @ 1A	24V @ 2A	48V @ 1A	3 1/8"	3 3/8"	2 1/4"	16M4539	25.04
P-8618	NV	96	24V @ 2A	24V @ 4A	48V @ 2A	3 1/2"	2 13/16"	3 1/4"	05F1437	42.80

*By connecting primaries in series (for 230 volts) but using only 115V input, a series of half voltage output ratings becomes available at the full rated current from each secondary. †RMS values. (6023)

CHASSIS MOUNT POWER TRANSFORMERS

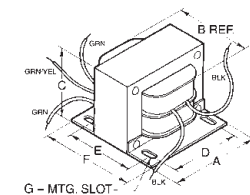


Style X



Style C

Chassis mount, channel bracket, split bobbin power transformers do not require an electrostatic shield due to low primary-to-secondary coupling. Single primary: 115V, 60Hz. All secondaries are center tapped. 6" leads minimum. HI-pot tested at 2,000Vrms. UL listed, CSA certified.



Style H

Mfg. Part No.	Style	Secondary		Case Dimensions (in.)			Stock No.	Price Each 1-14
		F.L. Volts	Amps	A	B	C		
● 166F2	C	2.5ct	0.25	2.06"	1.25"	1.19"	66F7500	21.73
● 166L2	C	2.5ct	2.50	2.81"	1.50"	1.69"	92F1305	21.98
● 166Q2	C	2.5ct	6.00	3.25"	1.63"	2.00"	92F1306	21.98
● 166J5	C	5.0ct	1.00	2.38"	1.50"	1.38"	66F7488	21.48
● 166L5	C	5.0ct	2.00	2.81"	1.63"	1.69"	66F7489	19.98
● 166V5	C	5.0ct	20.0	4.50"	2.50"	2.88"	66F7493	51.95
● 166E6	C	6.3ct	0.15	2.06"	1.25"	1.19"	66F7494	20.91
● 166G6	C	6.3ct	0.60	2.38"	1.38"	1.38"	92F1307	14.99
● 166J6	C	6.3ct	1.00	2.81"	1.50"	1.69"	63M9514	15.99
● 166K6	C	6.3ct	1.20	2.81"	1.50"	1.69"	66F7496	15.99
● 166L6	C	6.3ct	2.00	2.81"	1.63"	1.69"	92F1309	19.98
● 166N6	C	6.3ct	4.00	3.25"	1.75"	2.00"	92F1310	15.99
● 166Q6	C	6.3ct	6.00	3.69"	2.00"	2.31"	66F7479	29.97
● 166S6	C	6.3ct	10.0	4.03"	2.25"	2.63"	66F7480	41.96
● 166G7	C	7.0ct	0.70	2.38"	1.50"	1.38"	66F7481	21.48
● 166G8	C	8.0ct	0.50	2.38"	1.38"	1.38"	66F7483	21.48
● 166J8	C	8.5ct	1.00	2.81"	1.50"	1.69"	63M9515	21.98
● 166L8	C	8.5ct	2.00	3.25"	1.63"	2.00"	92F1312	19.98
● 166M8	C	8.5ct	3.00	3.25"	1.75"	2.00"	66F7484	23.98
● 166N8	C	8.5ct	4.00	3.25"	2.00"	2.00"	66F7485	25.98
● 166G9	C	9.0ct	0.50	2.38"	1.38"	1.38"	63M9513	21.48
● 166F10	C	10.0ct	0.30	2.06"	1.38"	1.19"	66F7487	21.08
● 166G10	C	10.0ct	0.50	2.38"	1.50"	1.38"	92F1313	21.71
● 166J10	C	10.0ct	1.00	2.81"	1.63"	1.69"	92F1314	19.98
● 166L10	C	10.0ct	2.0	3.25"	1.75"	2.00"	66F7329	15.99
● 166M10	C	10.0ct	3.0	3.25"	2.00"	2.00"	92F1315	23.98
● 166N10	C	10.0ct	4.0	3.69"	2.00"	2.31"	10M5335	31.97
● 166P10	C	10.0ct	5.0	3.69"	2.13"	2.31"	10M5336	33.97
● 167N10	X	10.0ct	4.0	3.69"	2.00"	2.31"	66F7449	35.25
● 167R10	X	10.0ct	8.0	2.50"	3.00"	3.06"	66F7451	47.20
● 167S10	X	10.0ct	10.0	2.50"	3.25"	3.06"	66F7434	48.90
● 166E12	C	12.0ct	0.15	2.06"	1.38"	1.19"	66F7454	9.99
● 166K12	C	12.0ct	1.2	3.25"	1.63"	2.00"	93K7635	20.98
● 166F12	C	12.6ct	0.3	2.38"	1.38"	1.38"	96F5556	14.99
● 166G12	C	12.6ct	0.5	2.81"	1.50"	1.69"	92F1316	21.98
● 166J12	C	12.6ct	1.0	2.81"	1.63"	1.69"	96F5558	19.98
● 166L12	C	12.6ct	2.5	3.25"	2.00"	2.00"	92F1317	19.98
● 166N12	C	12.6ct	4.0	3.69"	2.13"	2.31"	92F1318	23.98
● 166Q12	C	12.6ct	6.0	4.03"	2.25"	2.63"	92F1319	31.97
● 166R12	C	12.6ct	8.0	4.50"	2.50"	2.88"	66F7456	51.95
● 165S12	H	12.6ct	10.0	3.00"	3.25"	2.56"	92F1320	62.70
● 165V12	H	12.6ct	20	3.75"	3.63"	3.13"	92F1321	79.42
● 166E14	C	14.0ct	0.15	2.06"	1.38"	1.19"	92F1322	21.76
● 166G14	C	14.0ct	0.5	2.81"	1.50"	1.69"	66F7457	15.99
● 166J14	C	14.0ct	1.0	2.81"	1.63"	1.69"	92F1324	19.98
● 166L14	C	14.0ct	2.0	3.25"	2.00"	2.00"	66F7458	21.98
● 166Q14	C	14.0ct	6.0	4.03"	2.50"	2.63"	66F7459	43.96
● 166F16	C	16.0ct	0.25	2.38"	1.38"	1.38"	92F1325	21.48
● 166G16	C	16.0ct	0.5	2.81"	1.50"	1.69"	92F1326	19.98
● 166J16	C	16.0ct	1.0	3.25"	1.63"	2.00"	92F1327	21.98
● 166L16	C	16.0ct	2.2	3.25"	2.00"	2.00"	96F5528	17.99
● 166K18	C	18.0ct	1.5	3.25"	1.75"	2.00"	96F5526	17.99
● 166M18	C	18.0ct	3.0	3.69"	2.13"	2.31"	92F1329	23.98

➔ CONTINUED ➔

POWER TRANSFORMERS

CHASSIS MOUNT POWER TRANSFORMERS (CONT.)

Mfg. Part No.	Style	Secondary		Case Dimensions (in.)			Stock No.	Price Each
		F.L. Volts	Amps	A	B	C		
● 166P18	C	18.0ct	5.0	4.03"	2.50"	2.63"	96F6078	29.97
● 165S18	H	18.0ct	10	3.75"	3.13"	3.13"	92F1330	68.34
● 165U18	H	18.0ct	15	4.50"	3.88"	3.75"	66F7469	78.89
● 165V18	H	18.0ct	20	4.50"	4.38"	3.75"	66F7326	90.17
● 166D20	C	20.0ct	0.1	2.06"	1.38"	1.19"	92F1331	21.82
● 166E20	C	20.0ct	0.15	2.06"	1.38"	1.19"	92F1332	21.96
● 166F20	C	20.0ct	0.3	2.38"	1.50"	1.38"	66F7443	21.98
● 166G20	C	20.0ct	0.5	2.81"	1.63"	1.69"	92F1333	19.98
● 166J20	C	20.0ct	1.0	3.25"	1.75"	2.00"	92F1334	19.98
● 166L20	C	20.0ct	2.0	3.69"	1.88"	2.31"	83K4290	21.98
● 165T22	H	22.0ct	12	4.50"	3.88"	3.75"	92F1336	80.78
● 165V22	H	22.0ct	20	4.50"	4.38"	3.75"	66F7327	100.61
● 166C24	C	24.0ct	0.085	2.06"	1.38"	1.19"	66F7445	10.99
● 166L24	C	24.0ct	2.0	3.69"	2.13"	2.31"	96F5529	21.98
● 166N24	C	24.0ct	4.0	4.50"	2.50"	2.88"	92F1337	31.97
● 166D25	C	25.0ct	0.1	2.06"	1.38"	1.19"	66F7446	21.91
● 166E25	C	25.0ct	0.15	2.38"	1.38"	1.38"	96F5555	21.48
● 166F25	C	25.0ct	0.3	2.81"	1.50"	1.69"	92F1338	41.96
● 166G25	C	25.0ct	0.5	2.81"	1.63"	1.69"	96F5557	20.98
● 166J25	C	25.0ct	1.0	3.25"	1.75"	2.00"	96F5525	15.99
● 166K25	C	25.0ct	1.5	3.69"	1.88"	2.31"	96F5527	27.98
● 166L25	C	25.0ct	2.0	3.69"	2.13"	2.31"	92F1339	21.98
● 165P25	H	25.0ct	5.0	3.00"	3.25"	2.56"	66F7328	67.60
● 165S25	H	25.0ct	10	3.75"	3.63"	3.13"	92F1340	76.19
● 166G28	C	28.0ct	0.5	2.81"	1.63"	1.69"	92F1341	19.98
● 166J28	C	28.0ct	1.0	3.25"	2.00"	2.00"	92F1342	21.98
● 166L28	C	28.0ct	2.0	3.69"	2.13"	2.31"	83K4291	29.97
● 166G30	C	30.0ct	0.15	2.38"	1.38"	1.38"	66F7399	21.89
● 166F30	C	30.0ct	0.25	2.81"	1.50"	1.69"	66F7400	21.98
● 166G30	C	30.0ct	0.50	3.25"	1.63"	2.00"	66F7401	19.98
● 166J33	C	33.0ct	1.0	3.25"	2.00"	2.00"	92F1344	23.98
● 166K35	C	35.0ct	1.5	3.69"	2.13"	2.31"	63M9516	33.97
● 166E36	C	36.0ct	0.15	2.38"	1.50"	1.38"	92F1345	21.98
● 166F36	C	36.0ct	0.3	2.81"	1.63"	1.69"	63M9512	20.98
● 166G36	C	36.0ct	0.5	3.25"	1.63"	2.00"	92F1346	21.98
● 166J36	C	36.0ct	1.0	3.69"	1.88"	2.31"	10M5333	26.98
● 166L42	C	42.0ct	2.0	4.03"	2.50"	2.63"	10M5334	43.96
● 166E44	C	44.0ct	0.15	2.81"	1.50"	1.69"	66F7405	21.98
● 166F44	C	44.0ct	0.25	2.81"	1.63"	1.69"	66F7406	20.98
● 166G44	C	44.0ct	0.50	3.25"	1.75"	2.00"	66F7389	21.98
● 166J44	C	44.0ct	1.0	3.69"	2.00"	2.31"	66F7390	31.97
● 166C50	C	50.0ct	0.075	2.38"	1.38"	1.38"	66F7391	21.48
● 166F50	C	50.0ct	0.3	3.25"	1.63"	2.00"	66F7392	19.98
● 166G50	C	50.0ct	0.5	3.25"	1.75"	2.00"	66F7393	22.98
● 166J50	C	50.0ct	1	3.69"	2.13"	2.31"	66F7394	33.97
● 166L50	C	50.0ct	2	4.50"	2.50"	2.88"	66F7395	51.95
● 166G60	C	60.0ct	0.5	3.25"	2.00"	2.00"	66F7396	23.98
● 166G80	C	80.0ct	0.5	3.69"	1.88"	2.31"	66F7397	29.97

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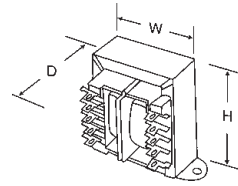
CHASSIS MOUNT - GLOBAL
USE POWER TRANSFORMERS

Fig. A

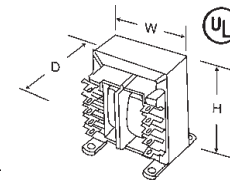


Fig. B

185 series chassis mount AC power transformers feature dual primary 115/230VAC, 50/60Hz, operation with dual secondaries for series or parallel connection. Each unit carries a 4,000Vrms HI-pot test. Dual bobbin construction using terminals (solder lug or quick connect). UL listed, CSA certified, C22.2 #66 and CE certified to IEC 950.

Mfg. Part No.	VA	VAC Secondary (RMS)		Dimensions (in.)			Fig.	Stock No.	Price Each
		Series	Parallel	W	D	H			
● 185C10	25	10VCT @ 2.5A	5V @ 5.0A	2.81	2.22	2.31"	A	83F8573	16.52
● 185D10	43	10VCT @ 4.3A	5V @ 8.6A	3.12	2.22	2.68"	A	83F8580	21.24
● 185E10	80	10VCT @ 8.0A	5V @ 16.0A	2.50	2.61	3.00"	B	83F8587	28.63
● 185F10	130	10VCT @ 13.0A	5V @ 26.0A	2.81	3.07	3.37"	B	83F8594	38.54
● 185G10	175	10VCT @ 17.5A	5V @ 35.0A	3.12	3.20	3.75"	B	83F8601	44.60
● 185C12	25	12.6VCT @ 2.0A	6.3V @ 4.0A	2.81	2.22	2.31"	A	83F8574	16.52
● 185D12	43	12.6VCT @ 3.4A	6.3V @ 6.8A	3.12	2.22	2.68"	A	83F8581	21.24
● 185E12	80	12.6VCT @ 6.3A	6.3V @ 12.6A	2.50	2.61	3.00"	B	83F8588	28.63
● 185F12	130	12.6VCT @ 10.3A	6.3V @ 20.6A	2.81	3.07	3.37"	B	10M5339	38.54
● 185G12	175	12.6VCT @ 14.0A	6.3V @ 28.0A	3.12	3.20	3.75"	B	83F8602	44.60
● 185C16	25	16VCT @ 1.6A	8V @ 3.2A	2.81	2.22	2.31"	A	63M9517	16.52
● 185D16	43	16VCT @ 2.7A	8V @ 5.4A	3.12	2.22	2.68"	A	83F8582	21.24
● 185E16	80	16VCT @ 5.0A	8V @ 10.0A	2.50	2.61	3.00"	B	83F8589	28.63
● 185F16	130	16VCT @ 8.1A	8V @ 16.2A	2.81	3.07	3.37"	B	83F8596	38.54
● 185G16	175	16VCT @ 11.0A	8V @ 22.0A	3.12	3.20	3.75"	B	83F8603	44.60
● 185C20	25	20VCT @ 1.25A	10V @ 2.5A	2.81	2.22	2.31"	A	83F8576	16.52
● 185D20	43	20VCT @ 2.2A	10V @ 4.4A	3.12	2.22	2.68"	A	83F8583	21.24
● 185E20	80	20VCT @ 4.0A	10V @ 8.0A	2.50	2.61	3.00"	B	83F8590	28.63
● 185F20	130	20VCT @ 6.5A	10V @ 13.0A	2.81	3.07	3.37"	B	83F8597	38.54
● 185G20	175	20VCT @ 8.8A	10V @ 17.6A	3.12	3.20	3.75"	B	83F8604	44.60
● 185C24	25	24VCT @ 1.0A	12V @ 2.0A	2.81	2.22	2.31"	A	83F8577	16.52
● 185D24	43	24VCT @ 1.8A	12V @ 3.6A	3.12	2.22	2.68"	A	88K2114	21.24
● 185E24	80	24VCT @ 3.3A	12V @ 6.6A	2.50	2.61	3.00"	B	83F8591	28.63
● 185F24	130	24VCT @ 5.4A	12V @ 10.8A	2.81	3.07	3.37"	B	83F8598	38.54
● 185G24	175	24VCT @ 7.3A	12V @ 14.6A	3.12	3.20	3.75"	B	83F8605	44.60
● 185C28	25	28VCT @ 0.9A	14V @ 1.86A	2.81	2.22	2.31"	A	83F8578	16.52
● 185D28	43	28VCT @ 1.5A	14V @ 3.0A	3.12	2.22	2.68"	A	10M5338	21.24
● 185E28	80	28VCT @ 2.8A	14V @ 5.6A	2.50	2.61	3.00"	B	83F8606	28.63
● 185F28	130	28VCT @ 4.6A	14V @ 9.2A	2.81	3.07	3.37"	B	83F8599	38.54
● 185G28	175	28VCT @ 6.25A	14V @ 12.5A	3.12	3.20	3.75"	B	83K4293	44.60
● 185C36	25	36VCT @ 0.7A	18V @ 1.4A	2.81	2.22	2.31"	A	83F8579	16.52
● 185D36	43	36VCT @ 1.2A	18V @ 2.4A	3.12	2.22	2.68"	A	83F8586	21.24
● 185E36	80	36VCT @ 2.2A	18V @ 4.4A	2.50	2.61	3.00"	B	83F8593	28.63
● 185F36	130	36VCT @ 3.6A	18V @ 7.2A	2.81	3.07	3.37"	B	83F8600	38.54
● 185G36	175	36VCT @ 4.8A	18V @ 9.6A	3.12	3.20	3.75"	B	83K4294	44.60

(37471)

WORLD SERIES PC MOUNT
115/230V, 50/60Hz POWER
TRANSFORMERS

- Primary: 115/230V, 50/60Hz
- VA Ranges: 2.5 to 56



World series PC mount transformers incorporate a dual bobbin construction with an insulating shroud, both made of a high temperature material that exceeds UL flammability requirements. Very high isolation between the primary and secondary, and between each winding and the core. Since the dual bobbin construction effectively reduces capacitance, electrostatic shielding is not required. UL recognized, CSA certified, VDE approved. CT = Center Tap.

Mfg. Part No.	VA	Secondary		Dimensions (in.)			Stock No.	Price 1-9
		Series	Parallel	H	W	D		
● VPP10-250*	2.5	10 V CT @ 0.25A	5V @ 0.5A	1.125	1.625	1.313	37B9190	8.92
● VPP10-5600	56	10 V CT @ 5.6A	5V @ 11.2A	1.813	3	2.5	37B9193	18.40
● VPP12-200*	2.5	12.6 V CT @ 0.2A	6.3V @ 0.4A	1.125	1.625	1.313	93F8757	8.92
● VPP12-400	5	12.6 V CT @ 0.4A	6.3V @ 0.8A	1.375	1.625	1.313	93F8758	9.60
● VPP12-800	10	12.6 V CT @ 0.8A	6.3V @ 1.6A	1.375	1.875	1.563	93F8759	10.76
● VPP12-1600	20	12.6 V CT @ 1.6A	6.3V @ 3.2A	1.625	2.25	1.875	37B9194	13.09

» CONTINUED »



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(148829)

POWER TRANSFORMERS

WORLD SERIES PC MOUNT 115/230V, 50/60Hz POWER TRANSFORMERS (CONT.)

Mfg. Part No.	VA	Secondary		Dimensions (in.)			Stock No.	Price 1-9
		Series	Parallel	H	W	D		
● VPP12-2400	30	12.6 V CT @ 2.4A	6.3V @ 4.8A	1.563	2.625	2.188	37B9195	15.04
● VPP12-4400	56	12.6 V CT @ 4.4A	6.3V @ 8.8A	1.88	3	2.5	37B9196	18.40
● VPP16-150*	2.5	16 V CT @ 0.15A	8V @ 0.3A	1.125	1.625	1.313	93F8760	8.92
● VPP16-310	5	16 V CT @ 0.31A	8V @ 0.62A	1.375	1.625	1.313	95M5334	9.60
● VPP16-620	10	16 V CT @ 0.62A	8V @ 1.25A	1.375	1.875	1.563	95M5335	10.76
● VPP16-1250	20	16 V CT @ 1.25A	8V @ 2.5A	1.625	2.25	1.875	99F2982	13.09
● VPP16-1900	30	16 V CT @ 1.9A	8V @ 3.8A	1.563	2.625	2.188	37B9197	15.04
● VPP20-120*	2.5	20 V CT @ 0.12A	10V @ 0.24A	1.125	1.625	1.313	37B9200	8.92
● VPP20-250	5	20 V CT @ 0.25A	10V @ 0.5A	1.375	1.625	1.313	37B9202	9.13
● VPP20-500	10	20 V CT @ 0.5A	10V @ 1A	1.375	1.875	1.563	37B9204	10.76
● VPP20-1000	20	20 V CT @ 1A	10V @ 2A	1.625	2.25	1.875	37B9199	13.09
● VPP20-1500	30	20 V CT @ 1.5A	10V @ 3A	1.563	2.625	2.188	37B9201	15.04
● VPP20-2800	56	20 V CT @ 2.8A	10V @ 5.6A	1.88	3	2.5	37B9203	18.40
● VPP24-100*	2.5	24 V CT @ 0.1A	12V @ 0.2A	1.125	1.625	1.313	93F8763	8.92
● VPP24-210	5	24 V CT @ 0.21A	12V @ 0.42A	1.375	1.625	1.313	93F8764	9.60
● VPP24-420	10	24 V CT @ 0.42A	12V @ 0.84A	1.375	1.875	1.563	93F8765	10.76
● VPP24-830	20	24 V CT @ 0.83A	12V @ 1.66A	1.625	2.25	1.875	37B9206	13.09
● VPP24-1250	30	24 V CT @ 1.25A	12V @ 2.5A	1.563	2.625	2.188	88F3909	15.04
● VPP24-2330	56	24 V CT @ 2.33A	12V @ 4.66A	1.88	3	2.5	37B9205	18.40
● VPP28-090*	2.5	28 V CT @ 0.09A	14V @ 0.18A	1.125	1.625	1.313	37B9207	8.92
● VPP28-180	5	28 V CT @ 0.18A	14V @ 0.36A	1.375	1.625	1.313	37B9209	9.60
● VPP28-360	10	28 V CT @ 0.36A	14V @ 0.72A	1.375	1.875	1.563	37B9211	10.76
● VPP28-1060	30	28 V CT @ 1.06A	14V @ 2.12A	1.563	2.625	2.188	37B9208	15.04
● VPP28-2000	56	28 V CT @ 2A	14V @ 4A	1.88	3	2.5	37B9210	18.40
● VPP36-070*	2.5	36 V CT @ 0.07A	18V @ 0.14A	1.125	1.625	1.313	91B5866	8.92
● VPP36-140	5	36 V CT @ 0.14A	18V @ 0.28A	1.375	1.625	1.313	95M5336	9.60
● VPP36-280	10	36 V CT @ 0.28A	18V @ 0.56A	1.375	1.875	1.563	93F8768	10.76
● VPP36-560	20	36 V CT @ 0.56A	18V @ 1.12A	1.625	2.25	1.875	37B9214	13.09
● VPP36-820	30	36 V CT @ 0.82A	18V @ 1.64A	1.563	2.625	2.188	37B9215	14.97
● VPP36-1560	56	36 V CT @ 1.56A	18V @ 3.12A	1.88	3	2.5	37B9213	18.40

* Note: All 2.5 VA units are Class 2 UL File: E65390.
(113235)

WORLD SERIES CHASSIS MOUNT 115/230V, 50/60Hz TRANSFORMERS



Feature dual-bobbin construction with an insulating shroud, keeping capacitance between the coils at a minimum. Very high isolation between primary and secondary, and between each winding and the core. HiPot tested at 4000 VRMS. Primary and secondary coils may be connected as either series or parallel, but both must be used simultaneously. Thru-hole mounting pins are square. Dimension "T" is 3/16" for all types listed. UL recognized, CSA certified, VDE approved.

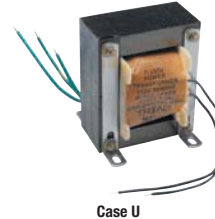
Mfg. Part No.	VA	Secondary		Case Dimensions (in.)			Stock No.	Price Each
		Series	Parallel	H	W	D		
● VPS12-2000	25	12.6V CT @ 2.00A	6.3V @ 4.00A	2.313	2.813	1.938	79K1708	18.34
● VPS12-3400	43	12.6V CT @ 3.40A	6.3V @ 6.80A	2.688	3.125	2.000	93F8770	20.27
● VPS12-6300	80	12.6V CT @ 6.30A	6.3V @ 12.60A	3.000	2.500	2.313	93F8771	26.46
● VPS12-10300	130	12.6V CT @ 10.30A	6.3V @ 20.60A	3.375	2.813	2.688	37B9221	32.78
● VPS16-1600	25	16.0V CT @ 1.60A	8.0V @ 3.20A	2.313	2.813	1.938	93F8772	15.14
● VPS16-8100	130	16.0V CT @ 8.10A	8.0V @ 16.20A	3.375	2.813	2.688	37B9224	32.78
● VPS20-4000	80	20.0V CT @ 4.00A	10.0V @ 8.00A	3.000	2.500	2.313	37B9227	24.77
● VPS20-8800	175	20.0V CT @ 8.80A	10.0V @ 17.60A	3.375	3.125	2.813	37B9229	37.64
● VPS24-1000	25	24.0V CT @ 1.00A	12.0V @ 2.00A	2.313	2.813	1.938	28M9311	15.14
● VPS24-1800	43	24.0V CT @ 1.80A	12.0V @ 3.60A	2.688	3.125	2.000	28M9312	19.32
● VPS24-3300	80	24.0V CT @ 3.30A	12.0V @ 6.60A	3.000	2.500	2.313	79K0021	23.68
● VPS24-5400	130	24.0V CT @ 5.40A	12.0V @ 10.80A	3.375	2.813	2.688	79K1712	31.34
● VPS24-7300	175	24.0V CT @ 7.30A	12.0V @ 14.60A	3.375	3.125	2.813	88F3323	37.64
● VPS28-900	25	28.0V CT @ 0.90A	14.0V @ 1.80A	2.313	2.813	1.938	37B9234	14.21
● VPS28-6250	175	28.0V CT @ 6.25A	14.0V @ 12.50A	3.375	3.125	2.813	88F4924	37.64
● VPS36-700	25	36.0V CT @ 0.70A	18.0V @ 1.40A	2.313	2.813	1.938	93F8778	14.21
● VPS36-1200	43	36.0V CT @ 1.20A	18.0V @ 2.40A	2.688	3.125	2.000	93F8779	20.27
● VPS36-2200	80	36.0V CT @ 2.20A	18.0V @ 4.40A	3.000	2.500	2.313	79K0023	23.68
● VPS36-3600	130	36.0V CT @ 3.60A	18.0V @ 7.20A	3.375	2.813	2.688	37B9235	32.78
● VPS230-110	25	230.0V CT @ 0.11A	115.0V @ 0.22A	2.313	2.813	1.938	79K0018	15.11
● VPS230-190	43	230.0V CT @ 0.19A	115.0V @ 0.38A	2.688	3.125	2.000	93F8782	19.28

► CONTINUED ►

WORLD SERIES CHASSIS MOUNT 115/230V, 50/60Hz TRANSFORMERS (CONT.)

Mfg. Part No.	VA	Secondary		Case Dimensions (in.)			Stock No.	Price Each
		Series	Parallel	H	W	D		
● VPS230-350	80	230.0V CT @ 0.35A	115.0V @ 0.70A	3.000	2.500	2.313	28M9310	23.68
● VPS230-570	130	230.0V CT @ 0.57A	115.0V @ 1.14A	3.375	2.813	2.688	84M8283	32.78

115V PRIMARY-SINGLE SECONDARY 50/60Hz TRANSFORMERS



† in mfg. part no. = tapped primary. # in mfg. part no. = 60Hz only

Mfg. Part No.	Case	Secondary		RMS Test Volts	Case Dimensions (in.)			Stock No.	Price Each
		Volts	Amps		H	W	D		
● F-6X#	X	2.5CT	6.0	2500	1.938	3.313	1.750	03F997	11.18
● F16X	X	6.3CT	3.0	2500	1.938	3.313	2.000	03F960	11.32
F-21A	A	6.3CT	10.0	1500	3.594	1.969	3.125	03F1000	35.50
● F22A	A	6.3CT	20.0	2000	3.875	3.281	4.125	18M9089	32.87
● F28U†	U	7-5/6.3CT	25.0	3000	4.625	3.813	3.625	18M9090	58.39
● F-113X	X	12	0.15	1500	1.375	2.375	1.375	02F479	7.56
● F29U†	U	12/11/10CT	11.0	3000	4.375	3.500	3.375	28M9251	43.14
● F-70X	X	12.6CT	1.0	1500	1.938	3.313	1.750	03F1002	13.19
● F-44X#	X	12.6CT	2.0	1500	1.938	3.313	2.000	76K4983	12.49
● F26X#	X	12.6CT	2.5	1500	2.281	3.688	2.000	03F996	13.99
● F-115X	X	24CT	0.085	1500	1.188	2.063	1.250	03F1009	8.75
● F-117X	X	24CT	0.4	1500	1.625	2.813	1.625	03F1011	11.27
● F-193U	U	24CT	4.0	1500	3.813	3.125	2.813	28M9239	51.37
● F-57X	X	25.2CT	1.0	1500	1.938	3.313	2.000	28M9245	12.45
● F-56X	X	25.2CT	2.8	1500	2.656	4.000	2.250	79K6496	16.99
● F-55X	X	26.8CT	1.7	1500	2.594	4.000	2.250	02F456	23.12
● F-187U	U	28CT	4.0	1500	3.500	2.875	3.063	18M9073	29.97
● F-59X	X	60CT	0.4	1500	1.938	3.313	2.000	03F1007	11.98

MULTIPLE SECONDARY/PRIMARY 115V, 50/60Hz TRANSFORMERS

Mfg. Part No.	Case	Secondary		Qty.	RMW Test Volts	Case Dimensions (in.)			Stock No.	Price Each
		Volts	Amps			H	W	D		1-9
● F-241U	U	18CT	1.0	2	1500	2.500	3.000	2.500	02F1021	25.26

LOW VOLTAGE RECTIFIER 50/60Hz TRANSFORMERS

Mfg. Part No.	Case	Primary Volts	Secondary		RMS Test Volts	Case Dimensions (in.)			Stock No.	Price Each
			Voltage	Amps		H	W	D		
● F-93X	X	115 Tapped	10-20CT-40CT	.75	2.594	4.000	2.250		05F1350	18.78

CONTROL POWER, RECTIFIER, AND FILAMENT TRANSFORMERS

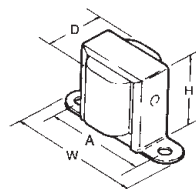


Fig. 1

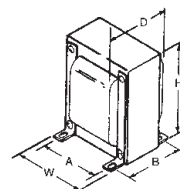


Fig. 2

Primary (input) voltage: 117VAC, 50/60Hz. Each unit is rated in ACrms. Feature single secondaries and lead terminals. High-quality commercial construction.

Mfg. Part No.	Fig.	Secondary		RMS Test Volts	Case Dimensions (in.)			Wt. (lbs.)	Stock No.	Price Each
		Volts	Amps		H	W	D			
● SPC20989	1	2.5	3	1500	1.625	2.875	1.750	0.7	10M5593	23.67
● SPC20990	1	2.5	6	1500	2.000	3.250	1.875	1	10M5594	25.76
● SPC20978	1	6.3 C.T.*	0.3	1500	1.250	2.125	1.625	1.25	10M5582	17.67

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POWER TRANSFORMERS • AUDIO TRANSFORMERS

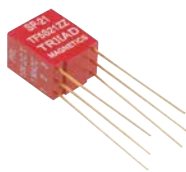
CONTROL POWER, RECTIFIER, AND FILAMENT TRANSFORMERS (CONT.)

Mfg. Part No.	Fig.	Secondary		RMS Test Volts	Case Dimensions (in.)			Wt. (lbs.)	Stock No.	Price Each 1-9
		Volts	Amps		H	W	D			
● SPC20993	1	6.3	1.2	2500	1.625	2.875	2.500	0.6	10M5597	12.17
● SPC20979	1	6.3 C.T.*	3	2500	2.000	3.250	2.125	1.25	10M5583	24.92
● SPC20980	1	12	0.7	1500	1.625	2.875	2.500	0.06	10M5584	16.31
● SPC20981	1	12	2	1500	2.000	3.250	2.125	1.3	10M5585	16.08
● SPC20982	1	12	4	1500	2.563	4.000	2.250	2.3	10M5586	35.62
● SPC20983	1	12.6 C.T.*	2	1500	2.000	3.250	2.125	1.1	10M5587	16.54
● SPC20984	1	24 C.T.*	1	1500	2.000	3.250	2.000	1.5	10M5588	25.22
● SPC20985	1	24 C.T.*	2	1500	2.563	4.000	2.250	2.4	10M5589	37.69
● SPC20986	2	24 C.T.*	4	1500	3.750	3.125	2.813	4.3	10M5590	61.77
● SPC20987	2	24 C.T.*	8	1500	4.125	3.438	3.375	7.3	10M5591	88.47
● SPC20988	2	24 C.T.*	12	1500	4.563	3.750	4.625	11.5	10M5592	125.44
● SPC20991	1	25.2	1	1500	2.000	3.250	2.125	1.5	10M5595	14.92
● SPC20992	1	25.2	2	1500	2.563	4.000	2.250	2.2	10M5596	39.34

*C.T. = Center Tap
(6022)

SP SERIES "RED SPEC" AUDIO TRANSFORMERS

Gold-plated nickel alloy leads spaced on 0.1" grid centers to fit PC boards. Base dimensions: 0.310" x 0.410". Lead length: 0.75". Height: 0.465". Meets military specification MIL-T-27D designation TF 5S21Z.



SP Case

TRIAD



Mfg. Part No.	Power (mW)	Application	Impedance		Stock No.	Price Each 1-9
			Primary	Secondary		
● SP-4	10	Input	200k CT	1k CT	78K9545	16.96
● SP-20	50	Audio	10,000 CT	1,200 CT	07H9288	16.61
● SP-21	50	Audio	10k CT	2k CT	03F018	16.05
● SP-29	50	Driver	10k CT	500 CT	78K9543	15.12
● SP-33	50	Output	1000	50	80K6144	13.74
● SP-42	50	Audio	150 CT	12	21J7523	12.36
● SP-48	50	Audio	7,500 CT	12	88F4860	14.64
● SP-49	50	Audio	300 CT	600	35C5316	17.51
● SP-50	50	Audio	500 CT	600	92B6414	23.71
● SP-51	50	Audio	900 CT	600	04H0513	15.23
● SP-52	50	Output	1.5k CT	600	18M9334	16.10
● SP-66	50	Output/Isolation	10k CT	10k CT	03F292	13.49
● SP-67	50	Output/Isolation	600 CT	600 CT	78K9546	14.10
● SP-69	50	Output/Isolation	600	600 CT/150Ω	78K9547	14.03
● SP-70	50	Audio	600	600	94F8690	13.93
● SP-310		Magnetic Shield			78K9544	2.99

(6013)

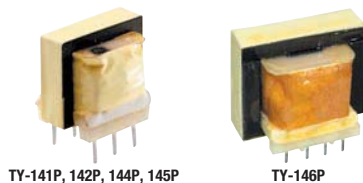
PLUG-IN PRINTED CIRCUIT AUDIO TRANSFORMERS



TRIAD

- Frequency response ranges: 200 - 15,000 Hz
- Impedance matching: 10% over frequency range

Audio printed circuit transformers are used in line matching, telephone coupling, pulse trigger, interstage, output, isolation and input applications.



TY-141P, 142P, 144P, 145P

TY-146P

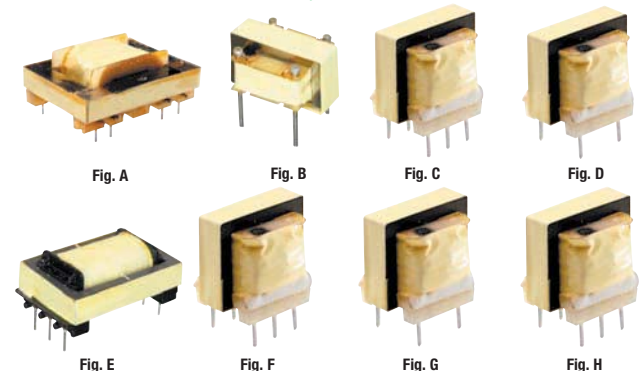
Mfg. Part No.	Output (mW)	Primary Impedance	Secondary Impedance	Pri. DC Unbalanced (Ma)	Stock No.	Price 1-9
● TY-141P	100	10000 CT	10000 CT	4	80K6172	4.29
● TY-142P	100	10000 CT	2000 CT	4	78K9892	3.96
● TY-144P	100	15000 CT	15000 CT	4	78K9893	3.96
● TY-145P	100	600 CT	600 CT	15	02F477	4.29
● TY-146P	1 Watt	600 CT/150*	600 CT/150*	...	78K9894	7.97

CT = Center Tap, * = Split winding
(113237)

DATA/VOICE COUPLING TRANSFORMERS



TRIAD



- Designed to meet FCC Part 68
- Longitudinal balance: 60 dB min. 200 - 1,000 Hz, 45 dB min. 1,000 - 4,000 Hz
- Dielectric Strength: 1,500 V
- Power Level: -45 dBm to +7 dBm
- Frequency Range: Data / Voice = 300 to 3,500 Hz, Data = 800 to 3,500 Hz

TY series telecommunications transformers are designed to meet the requirements for access over leased private lines or through the dial-up switched telephone network. TY series transformers are used for a variety of applications including impedance matching, isolation, repeat coil, line balancing, bridging, and hybrid circuits.

Mfg. Part No.	Fig.	Impedance Ohms		Max. Current (DC)	Typ. Insertion Loss (dB)	Typ. Return Loss (dB)	Stock No.	Price 1-9
		Pri.	Sec.					
● TY-306P	A	600 Split	600	75	1.5	10	52F1806	11.57
● TY-307P	B	600	600	0	1	26	01H7035	6.77
● TY-311P	D	600	600	0	1	26	98B2735	5.88
● TY-304P	C	600 CT	600 CT	0	1	26	78K9896	5.47
● TY-303P	D	4000	600	0	1	26	78K9895	5.66
● TY-400P	G	600	600	90	1.75	15	52F1810	8.82
● TY-401P	H	600 CT	600 CT	90	1.75	15	95M8902	8.82
● TY-403P	E	600	600 Split	90	1.75	13	72C5517	7.29
● TY-300P	C	600 (4W)	600/600	0	0.8	30	03F1066	5.66
● TY-302P	F	600 (4W)	600/600	0	0.65	32	03F1068	8.49

CT = Center Tap
(113236)

DA100 SERIES DIGITAL AUDIO TRANSFORMERS



- Compatible with leading chip sets
- 2kVrms isolation*
- Industry-standard pinout
- UL 94 V-0 package materials
- Low profile
- Suitable for both 75 and 110Ω circuits
- Toroidal construction
- Fully encapsulated



DA100 series digital audio range of transformers are designed to improve the balance of transmitter and receiver circuitry in hi-fi equipment, video games and applications requiring high-performance digital audio transmission. Compliant with AES/EBU recommendations for the digital audio interface, offering optimized shunt capacitance between primary and secondary windings. Capable of operating over the audio data rate frequency range, providing isolation from 50-60Hz noise. Also available in tape and reel packaging; go online or call. Sold individually.

Mfg. Part No.	Turns Ratio ±2%	Primary Inductance Min. (mH)	Volt-Time Product, Et Min. (Vps)	Stock No.	Price Each 1-9
● DA101C	1:1	1.59	15	61K2814	1.56
● DA102C	1:1	3	20	61K2817	1.56
● DA103C	1:1	5.96	28	61K2820	1.56

SURFACE MOUNT

● DA101MC	1:1	1.59	15	61K2815	1.56
● DA102MC	1:1	3	20	61K2818	1.56
● DA103MC	1:1	5.96	28	61K2821	1.56

*Flash tested for 1 second
(110577)

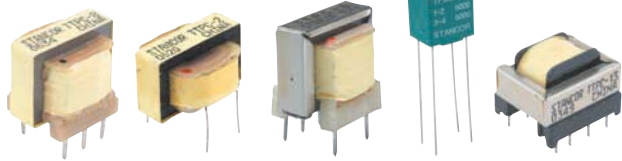


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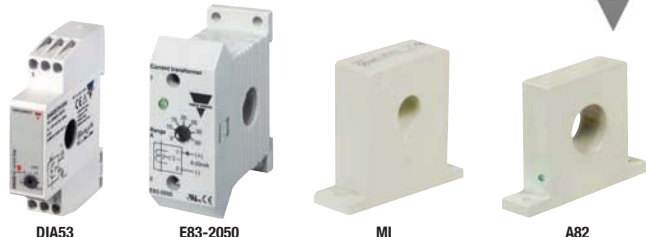
COUPLING TRANSFORMERS • CURRENT TRANSFORMERS

PCT/TTPC SERIES TELEPHONE
COUPLING TRANSFORMERS**STANCOR.**

Designed to interconnect data/voice modem terminals to telephone lines and for use in impedance matching, circuit isolation, line balancing or bridging, and hybrid applications. Meet FCC part 68 requirements. 1500V dielectric strength. PCT series meets military spec MIL-T-27 1000V test requirement.

Mfg. Part No.	Style	Impedance		DC Current MA	Insertion Losses/dB	Stock No.	Price Each
		Primary	Secondary				
● TTPC-2	B	600	600	0	1.2	16M4704	5.96
● TTPC-6	C	600	600 CT	90	1.8	16M4705	8.32
● TTPC-8	A	600 CT	600 CT	0	1.2	16M4706	4.16
● TTPC-13	E	600	600 CT Split	90	1.8	98F3627	3.49
● PCT-27	D	600	600 CT/150 Split	3	2.0	44F2106	26.38
● PCT-77	D	600 CT	600 CT	3	2.0	16M4570	26.40
● PCT-78	D	600	600	3	2.0	16M4571	26.40

(6022)

1-PHASE CURRENT TRANSFORMERS
AND TRANSDUCERS**CARLO GAVAZZI**

- One of the widest ranges of CTs in the industry
- Transistor or analog output
- LED indications
- DIN-rail or chassis mounting
- Some are for use with Carlo Gavazzi set-point relays, which provide relay output and adjustable delays/hysteresis

MINI DIN RAIL MOUNT CT WITH ADJUSTABLE SETPOINT

Housed in a compact 3.2H x 0.7W x 2.4D" housing. **DIA53 series** snaps directly onto DIN rail. Features and adjustable set point, LED and transistor output. Thru-hole: 0.47". UL recognized, CE compliant.

Mfg. Part No.	Monitoring Range (Amps AC)	Max. Amps (AC)	Inside Diameter (mm)	Stock No.	Price Each
● DIA53S72420A	2-20	40	12	05M4087	133.92

CHASSIS MINI DIN RAIL MOUNT CT WITH 4-20mA ANALOG OUTPUT

Housed in a compact 2H x 0.9W x 2.2"D housing. **E83 series** snaps onto DIN rail or can be chassis mounted. Six selectable ranges. Thru-hole: 0.47". UL recognized, CE compliant.

● E83-2050	0-5, 0-10, 0-20, 0-25, 0-30, or 0-50	100	...	94M7275	212.90
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CHASSIS-MOUNT CTs FOR USE WITH DIB, DUA & PUA SERIES

Thru-hole for Mfg. part nos. **MI5** and **MI20**: 0.41". **MI100** and **MI500**: For up to 100 or 500A are also available: 1.06". CE compliant.

● MI5	0.5-5	20	10.5	05M4234	89.15
● MI20	2-20	50	10.5	05M4233	89.15

CHASSIS-MOUNT CTs WITH 4-20mA ANALOG OUTPUT

Proportional 2-wire sinking output. Thru-hole: 1.06". CE compliant.

A82-2025	0-25	30	27	83F8777	348.84
● A82-2050	0-50	60	27	05M6311	346.91
● A82-20250	0-250	300	27	83F8778	348.84
A82-20500	0-500	600	27	96F1355	348.84

(2452)

Expert technical support

Chat online to our team of engineers, or connect to them through your representative.

(148838)

AC CURRENT TRANSFORMERS

For use with panel AC ammeters where external transformers are required. All have 5A AC secondary current signal. Donut-type transformers are inserted 1 turn primary, rated at 2VA, and include 2' leads. Terminal-type transformers have #8-32 brass studs with washers for easy connection to meter. Leads not included.



DONUT TYPE

Mfg. Part No.	Primary Current	Window Diameter (inch)	Stock No.	Price Each
01293	50A	1.56	98B6493	35.42
01306	75A	1.56	55F2575	36.62
01297	100A	1.56	12C2454	36.62
01298	150A	2.06	55F2576	36.62
01299	200A	2.06	55F2577	36.62
01300	300A	2.06	55F2578	36.62
01301	500A	2.06	55F2579	36.62

TERMINAL TYPE

Mfg. Part No.	Primary Current	Primary Current	Stock No.	Price Each
37020	100A	1.56	16F2267	31.82
37021	150A	1.56	16F2268	31.82
37022	200A	1.56	16F2269	31.82
37023	300A	1.56	16F2270	31.82
37024	500A	1.56	16F2271	31.82

(3467)

AC CURRENT TRANSFORMERS

**SPC**
TECHNOLOGY

Round Style with Leads



Square Style with Base

Designed to use with AC panel meters where external transformers are required. Secondary output signal: 0-5A for all units. Fully encapsulated rubber molded for indoor and outdoor applications. Insulation class: 0.6kV, 10kV BIL full wave. 50 to 400Hz. Linearity: $\pm 1.5\%$. Thermal rating: 1.33VA at 30°C, 1.0VA at 55°C. Square style have brass or aluminum. #8-32 UNC terminals. Round style have 24"-long 16 AWG flexible leads. Inside diameter: 1 inch. UL recognized. Made in USA.

ROUND STYLE

Mfg. Part No.	Current Ratio	Stock No.	Price Each
● SPC21618	50:5	12M6831	24.24
● SPC21619	60:5	12M6832	22.03
● SPC21620	75:5	12M6833	24.24
● SPC21622	100:5	12M6835	24.24
● SPC21625	150:5	12M6838	21.19
● SPC21626	200:5	12M6839	24.24
● SPC21627	250:5	12M6840	22.03
● SPC21628	300:5	12M6841	64.83
● SPC21629	400:5	12M6842	64.83
● SPC21630	500:5	12M6843	64.83
● SPC21631	800:5	12M6844	31.82
● SPC21632	1000:5	12M6845	45.00

SQUARE STYLE WITH BASE

● SPC21633	50:5	12M6846	55.32
● SPC21634	60:5	12M6847	24.24
● SPC21635	75:5	12M6848	24.24
● SPC21636	80:5	12M6849	24.24
● SPC21637	100:5	12M6850	24.24
● SPC21641	200:5	12M6854	24.24
● SPC21643	300:5	12M6856	28.38

(38571)

CURRENT TRANSFORMERS

"CROMPTON" AC CURRENT TRANSFORMERS



5SHT



2RL and 5RL



2SFT

- For ammeter use only
- Frequency: 50-60Hz

RECTANGULAR

Mfg. Part No.	Current Ratio (A)	Inside Diameter (inch)	Stock No.	Price Each
5SHT-101	100:5	1.56	42M3941	31.53
5SHT-151	150:5	1.56	42M3944	28.66
5SHT-201	200:5	1.56	42M3945	28.66
5SHT-251	250:5	1.56	42M3946	31.53
5SHT-301	300:5	1.56	42M3947	31.53
5SHT-401	400:5	1.56	42M3948	31.53
5SHT-501	500:5	1.56	42M3949	28.66
5SHT-601	600:5	1.56	42M3950	31.53
5SHT-751	750:5	1.56	42M3952	38.52
5SHT-801	800:5	1.56	42M3951	42.37
5SHT-102	1000:5	1.56	42M3942	38.52
5SHT-122	1200:5	1.56	42M3943	42.37

DONUT

2RL-500	50:5	1.05	09J4233	26.93
2RL-600	60:5	1.05	42M3900	26.93
2RL-750	75:5	1.05	09J4228	26.93
2RL-800	80:5	1.05	11J0251	26.93
2RL-101	100:5	1.05	09J4229	26.93
2RL-121	120:5	1.05	42M3896	24.48
2RL-1250	125:5	1.05	42M3897	24.48
2RL-151	150:5	1.05	09J4230	26.93
2RL-201	200:5	1.05	09J4231	26.93
2RL-251	250:5	1.05	42M3898	26.93
2RL-301	300:5	1.05	09J4232	24.48
2RL-401	400:5	1.05	42M3899	24.48
5RL-500	50:5	1.56	42M3926	31.53
5RL-750	75:5	1.56	42M3928	31.53
5RL-101	100:5	1.56	31M3604	31.53
5RL-201	200:5	1.56	42M3924	18.92
5RL-301	300:5	1.56	42M3925	31.53
5RL-401	400:5	1.56	73K5453	31.53
5RL-501	500:5	1.56	36K4183	31.53
5RL-601	600:5	1.56	42M3927	31.53
5RL-751	750:5	1.56	42M3929	42.37
5RL-801	800:5	1.56	17M9722	42.37
5RL-102	1000:5	1.56	42M3923	38.52
5RL-122	1200:5	1.56	16M5189	38.52
6RL-101	100:5	2.06	42M3966	50.34
6RL-151	150:5	2.06	42M3969	50.34
6RL-201	200:5	2.06	42M3971	59.51
6RL-251	250:5	2.06	42M3972	59.51
6RL-301	300:5	2.06	17M9160	50.34
6RL-401	400:5	2.06	42M3973	50.34
6RL-501	500:5	2.06	29M7813	59.51
6RL-601	600:5	2.06	42M3974	50.34
6RL-751	750:5	2.06	42M3975	45.40
6RL-801	800:5	2.06	42M3976	79.74
6RL-102	1000:5	2.06	42M3967	79.74
6RL-122	1200:5	2.06	42M3968	45.40
6RL-152	1500:5	2.06	42M3970	79.74
76RL-201	200:5	3.0	42M4044	35.54
76RL-251	250:5	3.0	42M4046	35.54
76RL-301	300:5	3.0	42M4047	39.09
76RL-401	400:5	3.0	31M6897	39.09
76RL-501	500:5	3.0	42M4048	35.54
76RL-601	600:5	3.0	42M4049	35.54

➤ CONTINUED ➤

"CROMPTON" AC CURRENT TRANSFORMERS (CONT.)

DONUT

Mfg. Part No.	Current Ratio (A)	Inside Diameter (inch)	Stock No.	Price Each
76RL-751	750:5	3.0	42M4050	35.54
76RL-801	800:5	3.0	42M4051	39.09
76RL-102	1000:5	3.0	42M4039	56.82
76RL-122	1200:5	3.0	42M4040	51.66
76RL-152	1500:5	3.0	42M4041	51.66
76RL-162	1600:5	3.0	42M4042	51.66
76RL-182	1800:5	3.0	42M4043	51.66
76RL-202	2000:5	3.0	42M4045	63.40
7RL-101	100:5	2.5	42M4000	35.36
7RL151	150:5	2.5	42M4010	38.90
7RL-201	200:5	2.5	42M4004	38.90
7RL-251	250:5	2.5	42M4005	38.90
7RL-301	300:5	2.5	42M4006	38.90
7RL-401	400:5	2.5	63K9302	38.90
7RL-501	500:5	2.5	42M4007	38.90
7RL-601	600:5	2.5	11J5710	38.90
7RL-751	750:5	2.5	42M4008	35.36
7RL-801	800:5	2.5	42M4009	38.90
7RL-102	1000:5	2.5	18M6079	50.00
7RL-122	1200:5	2.5	42M4001	52.00
7RL-152	1500:5	2.5	42M4002	52.00
7RL-162	1600:5	2.5	42M4003	52.00
8RL-201	200:5	3.25	42M4068	59.43
8RL-251	250:5	3.25	42M4070	59.43
8RL-301	300:5	3.25	42M4072	65.37
8RL-401	400:5	3.25	42M4075	65.37
8RL-501	500:5	3.25	42M4077	65.37
8RL-601	*600:5	3.25	42M4078	65.37
8RL-751	750:5	3.25	42M4079	59.43
8RL-801	800:5	3.25	42M4080	65.37
8RL-102	1000:5	3.25	06M4357	65.37
8RL-122	1200:5	3.25	42M4066	78.07
8RL-152	1500:5	3.25	42M4067	78.07
8RL-162	1600:5	3.25	12M6142	99.86
8RL-202	2000:5	3.25	42M4069	99.86
8RL-252	2500:5	3.25	42M4071	99.86
8RL-302	3000:5	3.25	42M4073	106.61
8RL-322	3200:5	3.25	42M4074	122.73
8RL-402	4000:5	3.25	42M4076	122.73

FOOTED

2SFT-500	50:5	1.13	32H7160	26.93
2SFT-600	60:5	1.13	92C2885	26.93
2SFT-750	75:5	1.13	10J7695	26.93
2SFT-800	80:5	1.13	14M4462	26.93
2SFT-101	100:5	1.13	10J7703	26.93
2SFT-121	120:5	1.13	42M3901	24.48
2SFT-1250	125:5	1.13	42M3902	26.93
2SFT-151	150:5	1.13	09J4235	26.93
2SFT-201	200:5	1.13	85C2390	26.93
2SFT-251	250:5	1.13	50B5769	26.93
2SFT-301	300:5	1.13	36K4145	26.93
2SFT-401	400:5	1.13	42M3903	24.48
56SFT-500	50:5	2.06	19M1536	27.56
56SFT-750	75:5	2.06	42M3961	28.66
56SFT101	100:5	2.06	42M3964	31.53
56SFT-151	150:5	2.06	42M3954	31.53
56SFT-201	200:5	2.06	42M3955	31.53
56SFT-251	250:5	2.06	42M3956	31.53
56SFT-301	300:5	2.06	42M3957	31.53
56SFT-401	400:5	2.06	42M3958	28.66
56SFT-501	500:5	2.06	42M3959	31.53
56SFT-601	600:5	2.06	42M3960	31.53
56SFT-751	750:5	2.06	42M3962	38.52
56SFT-801	800:5	2.06	42M3963	38.52
56SFT102	1000:5	2.06	42M3965	38.52
56SFT-122	1200:5	2.06	42M3953	42.37
5SFT-500	50:5	1.56	42M3936	31.53
5SFT-750	75:5	1.56	42M3938	28.66
5SFT-101	100:5	1.56	42M3930	31.53
5SFT-151	150:5	1.56	42M3933	31.53
5SFT-201	200:5	1.56	42M0679	31.53
5SFT-301	300:5	1.56	42M3934	31.53
5SFT-401	400:5	1.56	42M3935	31.53

➤ CONTINUED ➤

CURRENT TRANSFORMERS

"CROMPTON" AC CURRENT TRANSFORMERS (CONT.)

FOOTED

Mfg. Part No.	Current Ratio (A)	Inside Diameter (inch)	Stock No.	Price Each
5SFT-501	500:5	1.56	85C2465	31.53
5SFT-601	600:5	1.56	42M3937	31.53
5SFT-751	750:5	1.56	42M3939	38.52
5SFT-801	800:5	1.56	42M3940	42.37
5SFT-102	1000:5	1.56	42M3931	42.37
5SFT-122	1200:5	1.56	42M3932	38.52
6SFT-151	50:5	2.06	42M3980	50.34
6SFT-101	100:5	2.06	42M3977	59.51
6SFT201	200:5	2.06	42M3986	45.76
6SFT-251	250:5	2.06	42M3982	50.34
6SFT-301	300:5	2.06	57K0491	59.51
6SFT-401	400:5	2.06	57K0495	50.34
6SFT-501	500:5	2.06	57K0497	50.34
6SFT-601	600:5	2.06	42M3983	59.51
6SFT-751	750:5	2.06	42M3984	45.40
6SFT-801	800:5	2.06	42M3985	45.40
6SFT-102	1000:5	2.06	42M3978	45.40
6SFT-122	1200:5	2.06	42M3979	79.74
6SFT-152	1500:5	2.06	42M3981	79.74
76SFT-201	200:5	3.0	42M4057	35.54
76SFT-251	250:5	3.0	42M4059	35.54
76SFT-301	300:5	3.0	42M4060	72.23
76SFT-401	400:5	3.0	42M4061	46.21
76SFT-501	500:5	3.0	42M4062	35.54
76SFT-601	600:5	3.0	42M4063	46.21
76SFT-751	750:5	3.0	42M4064	35.54
76SFT-801	800:5	3.0	42M4065	46.21
76SFT-102	1000:5	3.0	42M4052	67.20
76SFT-122	1200:5	3.0	42M4053	67.19
76SFT-152	1500:5	3.0	42M4054	51.66
76SFT-162	1600:5	3.0	42M4055	51.66
76SFT-182	1800:5	3.0	42M4056	51.66
76SFT-202	2000:5	3.0	42M4058	67.19
7SFT-101	100:5	2.5	42M4011	38.90
7SFT-151	150:5	2.5	42M4014	35.36
7SFT-201	200:5	2.5	42M4017	35.36
7SFT-251	250:5	2.5	42M4018	35.36
7SFT-301	300:5	2.5	42M4019	38.90
7SFT-401	400:5	2.5	42M4020	38.90
7SFT-501	500:5	2.5	42M4021	35.36
7SFT-601	600:5	2.5	42M4022	38.90
7SFT-751	750:5	2.5	42M4023	35.36
7SFT-801	800:5	2.5	42M4024	38.90
7SFT-102	1000:5	2.5	42M4012	78.94
7SFT-122	1200:5	2.5	42M4013	56.32
7SFT-152	1500:5	2.5	42M4015	56.32
7SFT-162	1600:5	2.5	42M4016	56.32

(80320)

"CROMPTON" AC CURRENT TRANSFORMERS

Designed to meet the requirements of IEEE C57.13 - 1993. This range of indoor single phase metering class voltage transformers has a metering burden capacity up to 0.3% class @ 75VA and a thermal rating up to 750VA. Some models available with up to two onboard fuses, call Newark.



C US

2RL and 5RL

Mfg. Part No.	Voltage Ratio	Turns Ratio	Stock No.	Price Each
460-069	69.3:120	0.58:1	42M3915	184.05
460-120	120:120	1:1	42M3916	184.05
460-208	208:120	1.73:1	42M3917	184.05
460-240	240:120	2:1	42M3918	184.05
460-277	277:120	2.31:1	42M3919	209.03
460-288	288:120	2.4:1	67C2284	156.24
460-300	300:120	2.5:1	42M3920	190.03
460-346	346:120	2.88:1	42M3921	275.00
460-480	480:120	4:1	42M3922	275.00

(93121)

CURRENT TRANSFORMERS

- Fully encapsulated, rubber molded
- Indoor or outdoor applications
- Standard output: 5A
- UL and cUL recognized



Hoyt

C US

5A secondary and are made in primary ranges up to 600A for mounting over the bus bar or high current wire to be measured. Connecting leads are 24" long. Capacity: 2VA insulated to 4500V.. CT's up to 600A size is 4" diameter with a 1 1/4" hole; 700 to 1000A have an overall diameter of 4" with a 1 3/4" hole also available; go online or call.

Mfg. Part No.	Current Ratio	Stock No.	Price Each
CT100/5	100:5 A	84K7369	40.00
CT200/5	200:5 A	84K7370	59.00
CT300/5	300:5 A	84K7371	30.00
CT500/5	500:5 A	84K7372	40.00

(88769)

HIGH FREQUENCY CURRENT SENSE TRANSFORMERS

RoHS Compliant Available

TRIAD

- Derate ET product by 32% for 50 kHz, 52% for 100 kHz and 50% for unidirectional operation
- Rated primary current renders approximately 40°C temperature rise
- CST206 models have maximum recommended terminating resistance of 1 ohm per turn
- Primary is inserted through hole in casing

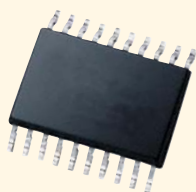


Designed for switching power supply applications, TRIAD current sense transformers are used to detect the current passing through a conductor. These transformers are very reliable and operate effectively over the frequency range of 20 kHz-200 kHz. They are constructed of UL rated 130°C materials. Both models are available with a center tap option. 3 pin or center tapped (CT) models are designated with a T suffix. Non-centered tapped versions do not have a center pin.

Mfg. Part No.	ET V _μ SEC Ref. 20 kHz	Turns Count	Min Ind. mH	DCR Ohms Max.	Pri. Amps RMS	Stock No.	Price Each
● CST206-1A	2000	100	14	0.58	110	89M4940	5.72
● CST206-1T	2000	100 CT	14	0.58	110	89M4941	6.24
● CST206-2A	4000	200	56	3.5	80	89M4942	5.72
● CST206-2T	4000	200 CT	56	3.5	80	89M4943	6.24
● CST206-3A	6000	300	130	12.4	70	89M4944	5.72
● CST206-3T	6000	300 CT	130	12.4	70	89M4945	6.24
● CST306-1A	500	20	3.5	0.34	35	89M4946	3.85
● CST306-1T	500	50 CT	3.5	0.34	35	89M4947	4.37
● CST306-2A	1000	100	14	1.55	25	89M4948	3.85
● CST306-2T	1000	100 CT	14	1.55	25	89M4949	4.37
● CST306-3A	2000	200	55	3.75	25	89M4950	3.85
● CST306-3T	2000	200 CT	55	3.75	25	89M4951	4.37

(110537)

Huge Expanded Selection of Semiconductors



Go online to find new technologies and proven solutions from world-class and specialist suppliers.

Make it easy. Make it fast. Make it Newark.

(148845)

CURRENT TRANSFORMERS

HIGH FREQUENCY CURRENT SENSE TRANSFORMERS



TRIAD

- 250kHz and above operation
- Primary current rating 10 amperes



CSE5 series current sense transformers are designed to monitor current at 250kHz and above.

Mfg. Part No.	Turns Ratio N1:N2 @ 10kHz	Secondary Inductance uH Min.	Secondary DCR mohm Max.	Stock No.	Price Each
● CSE5-100501	1:50	500	1500	89M4934	2.43
● CSE5-101001	1:100	2000	5500	89M4935	1.79

(110538)

LOW FREQUENCY CURRENT SENSE TRANSFORMERS



TRIAD

- 50 to 400 Hz operation
- Monitor current from 0.1 to 30 amperes
- Turns ratio: Primary to sense 1:500
- Suggested burden resistor: 60 ohms
- Typical output: 110 mV/Amp
- Primary DCR: 250 uOhms max.
- Sense DCR: 21 ohms max.
- Constructed with UL recognized materials (Class B, 130°C)
- Hi-pot, 2,500 volt



CSE187L

CSE187L-P

Designed to monitor current in low frequency applications. 4000V potted version also available; go online or call.

Mfg. Part No.	Stock No.	Price Each
● CSE187L	76K3910	2.71
● CSE187L-P	89M4933	3.54

(110539)

LOW FREQUENCY CURRENT SENSE TRANSFORMERS



TRIAD



- Operate effectively between 50-60Hz
- Constructed of UL rated 130°C materials

Current sense transformers are used to detect currents passing through a conductor.

Mfg. Part No.	Primary Current Amps	Turns Ratio	DCR Ohms Nominal	Dimensions (mm)				Net Wt. (g)	Stock No.	Price Each
				H	W	D	ID			
● CST-1005	5	1000:1	40	24.8	23.5	12	8.5	20	89M4936	5.72
● CST-1010	10	1000:1	40	24.8	23.5	12	8.5	20	89M4937	5.72
● CST-1020	20	1000:1	40	24.8	23.5	12	8.5	20	89M4938	6.45
● CST-1030	30	1000:1	46	30.2	30.2	14.3	11.4	30	89M4939	6.45

(110540)

5300 SERIES 10A CURRENT SENSING TRANSFORMERS

muRata Ps
Murata Power Solutions

- Primary current rating 10A
- 20 to 200 turn variants
- Primary to secondary isolation 500Vrms*
- 50kHz-500kHz frequency range
- Surface mount
- Industry-standard footprint
- UL94 V-0 package materials
- J-STD-020C reflow



5300 series current sense transformers are designed to monitor AC currents. Transformers can be used for high frequency current sensing in applications such as switched-mode power supplies, motor control, and electronic lighting ballasts. Also available in tape and reel packaging; go online or call. Sold individually.

Mfg. Part No.	Turns Ratio	Secondary Inductance (mH Min.)	Max. DC Resistance		Stock No.	Price Each
			Primary (mohm)	Secondary (ohm)		
● 53020C	1:20	0.08	7.0	0.55	88M8744	1.60
● 53030C	1:30	0.18	7.0	0.85	88M8745	1.60
● 53040C	1:40	0.32	7.0	1.1	88M8746	1.60
● 53050C	1:50	0.5	7.0	1.75	88M8747	1.60
● 53060C	1:60	0.72	7.0	2.2	88M8748	1.60
● 53070C	1:70	0.98	7.0	4.5	88M8749	1.60
● 53100C	1:100	2	7.0	5.6	88M8750	1.60
● 53125C	1:125	3	7.0	7.5	88M8751	1.60
● 53150C	1:150	4.5	7.0	17.5	88M8752	1.60
● 53200C	1:200	8	7.0	34	88M8753	1.60

*Flash tested for 1 second
(110562)

5400 SERIES 15A CURRENT SENSING TRANSFORMERS

muRata Ps
Murata Power Solutions

- Primary current rating 15A
- 50, 100 and 200 turn variants
- Primary to secondary isolation 1.2kVrms*
- 50kHz-500kHz frequency range
- Surface mount
- Compact package
- UL94 V-0 package materials
- J-STD-020C reflow



5400 series current sense transformers are designed to monitor AC currents. Transformers can be used for high frequency current sensing in applications such as switched-mode power supplies, motor control, and electronic lighting ballasts. Also available in tape and reel packaging; go online or call. Sold individually.

Mfg. Part No.	Turns Ratio	Secondary Inductance (mH Min.)	Primary DCR (mohm Max.)	Secondary DCR (ohm Max.)	Stock No.	Price Each
● 54050C	1:1:50	3.8	7.0	0.5	88M8754	2.18
● 54100C	1:1:100	14.8	7.0	3.2	88M8755	2.59
● 54200C	1:1:200	60	7.0	6.6	88M8756	3.11

*Flash tested for 1 second
(110563)

5500 SERIES 15A CURRENT SENSING TRANSFORMERS

muRata Ps
Murata Power Solutions

- Primary current rating 15A*
- 50, 100 and 200 turn variants
- Primary to secondary isolation 1000Vrms*
- 50kHz-500kHz frequency range
- Surface mount
- Industry-standard footprint
- UL94 V-0 package materials
- J-STD-020C reflow



5500 series current sense transformers are designed to monitor AC currents. Transformers can be used for high frequency current sensing in applications such as switched-mode power supplies, motor control, and electronic lighting ballasts. Also available in tape and reel packaging; go online or call. Sold individually.

Mfg. Part No.	Turns Ratio	Secondary Inductance mH Min.	Secondary DCR ohm Max.	Stock No.	Price Each
● 55050C	1:1:50	3.8	350	88M8757	1.49
● 55100C	1:1:100	14.8	850	88M8758	1.76
● 55200C	1:1:200	60	3600	88M8759	2.13

*Flash tested for 1 second
(110564)

5600 SERIES 10A CURRENT SENSING TRANSFORMERS

muRata Ps
Murata Power Solutions

- 50, 100, 200 & 300 turn variants
- Primary current rating 10A
- 20kHz-200kHz frequency range
- Center tapped option



5600 series current sense transformers are designed to monitor AC currents. Transformers can be used for high frequency current sensing in applications such as switched-mode power supplies, motor control, and electronic lighting ballasts. CT = Center tapped.

Mfg. Part No.	Number of Turns ±1 Turn	Inductance Range Pins 1 & 3	DCR Resistance Pins 1 & 3, (ohm)	Stock No.	Price Each
● 56050C	50	5 - 9.3mH @1V, 50kHz	0.133 - 0.199	17M3814	1.63
● 56100C	100	20 - 37mH @1V, 50kHz	0.93 - 1.4	17M3815	1.63
● 56200C	200	80 - 150mH @1V, 10kHz	1.87 - 2.81	17M3816	1.63
● 56300C	300	180 - 335mH @1V, 10kHz	5.73 - 8.59	17M3817	1.63
● 56T100C	100CT	20 - 37mH @1V, 50kHz	0.93 - 1.4	17M3810	1.63
● 56T200C	200CT	80 - 150mH @1V, 10kHz	1.87 - 2.81	17M3811	1.63
● 56T300C	300CT	180 - 335mH @1V, 10kHz	5.73 - 8.59	17M3812	1.63

(110565)

TechCast®
Product
Training

(148857)

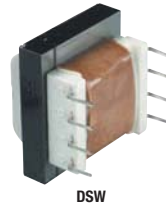
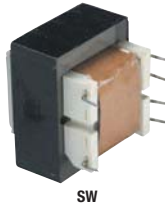
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PCB TRANSFORMERS • AUTO TRANSFORMERS

SIDE WINDER SPLIT BOBBIN PC BOARD MOUNT TRANSFORMERS



- Applications Include: Electronic Game Systems, Computer Peripherals, Switching Power Supplies, Medical Electronics, Instrumentation, and Communications Equipment
- UL Recognized, CSA Certified



Primary and secondaries non-concentrically wound side-by-side to reduce size. Split bobbin winding and low capacitive coupling design eliminate need for electrostatic shielding. Available 115V or dual 115/230V primaries, plus split secondaries allow series or parallel connection. $0.041 \times 0.018"$ (1.04 $\times$ 0.457) pins insert directly into PC boards. Pins 0.28" (7.11) long. High isolation: 2500Vrms.

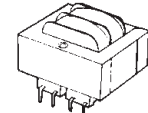
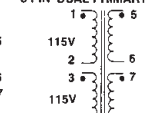
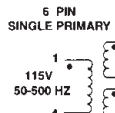
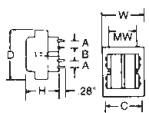
SINGLE PRIMARY 115V, 6-PIN

Mfg. Part No.	Individual	Secondary RMS Rating		Stock No.	Price Each
		Series	Parallel		
SW-210	5.0V @ 0.11A	10.0VCT @ 0.11A	5.0V @ 0.22A	48F1352	9.67
SW-410	5.0V @ 0.6A	10.0VCT @ 0.6A	5.0 @ 1.2A	48F1353	12.33
SW-212	6.3V @ 0.09A	12.6VCT @ 0.09A	6.3V @ 0.18A	44F2115	9.67
● SW-312	6.3V @ 0.2A	12.6VCT @ 0.2A	6.3V @ 0.4A	34M8676	10.38
● SW-316	8.0V @ 0.15A	16.0VCT @ 0.15A	8.0V @ 0.3A	20M1618	10.38
SW-416	8.0V @ 0.4A	16.0VCT @ 0.4A	8.0V @ 0.8A	44F2121	12.33
● SW-320	10.0V @ 0.12A	20.0VCT @ 0.12A	10.0 @ 0.24A	48F1354	10.38
● SW-520	10.0V @ 0.6A	20.0VCT @ 0.6A	10V @ 1.2A	16M4646	15.45
SW-324	12V @ 0.1A	24VCT @ 0.1A	12V @ 0.2A	44F2124	10.38
● SW-424	12V @ 0.25A	24VCT @ 0.25A	12V @ 0.5A	16M4643	12.33
SW-524	12V @ 0.5A	24VCT @ 0.5A	12V @ 1.0A	44F2126	15.45
SW-528	14V @ 0.42A	28VCT @ 0.42A	14V @ 0.84A	44F2130	15.45
SW-628	14V @ 0.7A	28VCT @ 0.7A	14V @ 1.4A	50F788	18.81
● SW-436	18V @ 0.17A	36VCT @ 0.17A	18V @ 0.34A	16M4645	12.33
● SW-536	18V @ 0.35A	36VCT @ 0.35A	18V @ 0.7A	44F2137	15.45

DUAL PRIMARIES 115/230V, 8-PIN

Mfg. Part No.	Individual	Secondary RMS Rating		Stock No.	Price Each
		Series	Parallel		
● DSW-212	6.3V @ 0.09A	12.6VCT @ 0.09A	6.3V @ 0.18A	16M4458	11.21
DSW-312	6.3V @ 0.2A	12.6VCT @ 0.2A	6.3V @ 0.4A	44F2144	12.00
DSW-412	6.3V @ 0.5A	12.6VCT @ 0.5A	6.3V @ 1.0A	44F2145	14.07
● DSW-316	8.0V @ 0.15A	16.0VCT @ 0.15A	8.0V @ 0.3A	16M4460	11.44
● DSW-416	8.0V @ 0.4A	16.0VCT @ 0.4A	8.0V @ 0.8A	20M1128	14.07
DSW-516	8.0V @ 0.8A	16.0VCT @ 0.8A	8.0V @ 1.6A	44F2150	14.76
DSW-616	8.0V @ 1.25A	16.0VCT @ 1.25A	8.0V @ 2.5A	48F1348	18.50
● DSW-320	10.0V @ 0.12A	20.0VCT @ 0.12A	10.0 @ 0.24A	16M4461	12.00
DSW-520	10.0V @ 0.6A	20.0VCT @ 0.6A	10V @ 1.2A	48F1349	14.76
● DSW-620	10.0V @ 1.0A	20.0VCT @ 1.0A	10V @ 2.0A	34M5751	18.50
● DSW-324	12V @ 0.1A	24VCT @ 0.1A	12V @ 0.2A	16M4462	12.00
● DSW-424	12V @ 0.25A	24VCT @ 0.25A	12V @ 0.5A	16M4465	14.07
DSW-524	12V @ 0.5A	24VCT @ 0.5A	12V @ 1.0A	44F2154	14.76
DSW-528	14V @ 0.42A	28VCT @ 0.42A	14V @ 0.84A	44F2158	14.76
DSW-628	14V @ 0.7A	28VCT @ 0.7A	14V @ 1.4A	48F1351	18.50
● DSW-236	18V @ 0.03A	36VCT @ 0.03A	18V @ 0.06A	44F2163	11.21
● DSW-336	18V @ 0.065A	36.0VCT @ 0.065A	18V @ 0.13A	34M5750	12.00
● DSW-436	18V @ 0.17A	36VCT @ 0.17A	18V @ 0.34A	16M4466	14.07
(6001) DSW-536	18V @ 0.35A	36VCT @ 0.35A	18V @ 0.7A	44F2166	14.76

HIGHLY-ISOLATED PC BOARD TRANSFORMERS



Single and dual primary split-bobbin transformers are designed for high performance, miniaturized printed circuits and switching power supplies. Rugged dependability, low-profile, rigid mounting. Primary to secondary isolation 2500V. Low capacitance coupling. No electrostatic shield needed. Dual secondaries for series or parallel connection.

SINGLE PRIMARY — 115 VOLTS

Mfg. Part No.		VA	Secondary RMS Rating				Dimensions (in.)			Wt. (lbs.)	Stock No.	Price Each
			Series		Parallel		H	W	D			
			Volts C.T.*	Amps	Volts C.T.*	Amps						
● SPC20957	6	12.6	0.5	6.3	1.0	1.3125	1.3125	1.625	0.45	10M5561	10.70	
● SPC20958	12	12.6	1.0	6.3	2.0	1.4375	1.5625	1.875	0.75	10M5562	19.00	

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HIGHLY-ISOLATED PC BOARD TRANSFORMERS (CONT.)

DUAL PRIMARY — 115/230 VOLTS

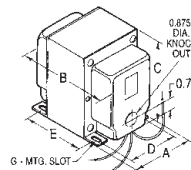
Mfg. Part No.	VA	Secondary RMS Rating				Dimensions (in.)			Wt. (lbs.)	Stock No.	Price Each
		Series		Parallel		H	W	D			
		Volts C.T.*	Amps	Volts C.T.*	Amps						
● SPC20962	2.5	10	0.25	5	0.5	1.1875	1.125	1.375	0.25	10M5566	14.54
● SPC20963	2.52	12.6	0.2	6.3	0.4	1.1875	1.125	1.375	0.25	10M5567	10.03
● SPC20964	12.8	16	0.8	8	1.6	1.4375	1.5625	1.875	0.75	10M5568	12.32
● SPC20965	12	20	0.6	10	1.2	1.4375	1.5625	1.875	0.75	10M5569	12.32
● SPC20959	2.4	24	0.1	12	0.2	1.1875	1.125	1.375	0.25	10M5563	10.03
● SPC20960	6	24	0.25	12	0.5	1.3125	1.3125	1.625	0.45	10M5564	11.75
● SPC20961	12	24	0.5	12	1.0	1.4375	1.5625	1.875	0.75	10M5565	20.02
● SPC20966	6.12	36	0.17	18	0.34	1.3125	1.3125	1.625	0.45	10M5570	11.75

*C.T. = Center Top
(6072)

LINE AUTOTRANSFORMERS



170 series line autotransformers are for use where equipment is already isolated and step-up (115V to 230V) or step-down (230V to 115V) service is required. Chassis mount-enclosed, hardwired units. 50 or 60Hz. Minimum 8" leads. CSA certified.



Mfg. Part No.	VA (Max.)	Dimensions					Weight	Stock No.	Price Each
		A	B	C	D	E			
● 170A	100	2.50"	3.00"	3.06"	2.00"	1.94"	3 lbs.	96F5531	36.89
● 170B	200	3.13"	3.50"	3.81"	2.50"	2.19"	4.5 lbs.	83K4292	48.52
● 170C	300	3.13"	4.00"	3.81"	2.50"	2.69"	6 lbs.	96F5543	54.35
● 170D	500	3.75"	4.50"	4.56"	3.00"	3.31"	10 lbs.	66F7253	77.65

(6079)

STEP-DOWN/STEP-UP AUTO-TRANSFORMERS STEP-DOWN/ STRAIGHT ISOLATION TRANSFORMERS



- Input Voltage: 115V or 230VAC
- Operating Temperature: -40°C to +105°C
- Output Voltage: 115V or 230VAC
- Power Range: 0.6VA to 1500VA

Applications include computer protection, electrical applications and lab test equipment.

STEP-DOWN AUTO-TRANSFORMERS

Primaries 230V, 50/60Hz (can operate from 400Hz source with no change in output ratings). Secondaries 115V. Case and core internally connected to third conductor of NEMA standard cord and receptacle, except mfg. part no. P-8620 which has leads.

Mfg. Part No.	VA Cap	Case Dimensions (in.) (mm)			Wt. (lbs.)	Stock No.	Price Each
		H	W	D			
● P-8620	50	2.313 (58.74)	3.688 (93.68)	1.875 (47.63)	1.5	05F305	17.53
P-8630	85	3.13 (79.50)	2.5 (63.50)	2.88 (73.15)	2.5	05F1415	71.55
● P-8631	125	3.125 (79.38)	2.5 (63.5)	3.00 (76.20)	3.0	16M4545	83.65
P-8632	200	3.875 (98.43)	3.125 (79.38)	3.25 (82.55)	4.2	05F1417	67.14
● P-8634	400	3.875 (98.43)	3.125 (79.38)	4.25 (107.95)	7.0	05F1419	128.19

STEP-UP AUTO-TRANSFORMERS

Primaries 115V, 50/60Hz line cord/plug (can operate on 400Hz source with no change in output). Secondaries 230V, with standard female receptacles.

● P-8638	125	3.13 (79.50)	2.50 (63.50)	3.00 (76.20)	3.0	16M3829	83.19
● P-8639	300	3.875 (98.43)	3.125 (79.38)	3.875 (98.43)	5.2	01F089	86.95
● P-8640	500	4.63 (117.60)	3.750 (95.25)	4.431 (109.54)	10.3	16M3831	135.68
● P-8689	1000	4.625 (117.48)	3.750 (95.25)	6.125 (155.57)	17.0	16M4563	191.08

3-CONDUCTOR LINE CORD AND RECEPTACLE STEP-DOWN AUTO-TRANSFORMERS

Primaries 230V, 50/60Hz (can operate from 400Hz source with no change in output ratings). Secondaries 115V. Case and core internally connected to third conductor of NEMA standard cord and receptacle.

GSD-75	75	3.13 (79.50)	2.50 (63.50)	2.88 (73.15)	3.0	05F1422	91.01
GSD-150	150	3.875 (98.43)	3.13 (79.50)	3.25 (82.55)	4.4	05F1424	94.06
GSD-250	250	3.875 (98.43)	3.13 (79.50)	3.625 (92.08)	5.8	05F1425	113.17
● GSD-300	300	3.875 (98.43)	3.13 (79.50)	3.625 (92.08)	5.8	98F3074	149.53
GSD-350	350	3.875 (98.43)	3.13 (79.50)	4.313 (109.54)	7.3	05F1426	124.12
● GSD-500	500	4.625 (117.48)	3.813 (96.84)	4.438 (112.72)	10.6	16M4479	124.87
GSD-750	750	4.625 (117.48)	3.813 (96.84)	5.375 (136.5)	14.4	05F1428	150.96

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AUTO TRANSFORMERS • ISOLATION TRANSFORMERS

STEP-DOWN/STEP-UP AUTO-TRANSFORMERS STEP-DOWN/STRAIGHT ISOLATION TRANSFORMERS (CONT.)

3-CONDUCTOR LINE CORD AND RECEPTACLE STEP-DOWN AUTO-TRANSFORMERS

Mfg. Part No.	VA Cap	Case Dimensions (in.) (mm)			Wt. (lbs.)	Stock No.	Price Each
		H	W	D			1-9
● GSD-1000	1000	4.625 (117.48)	3.81 (96.84)	6.00 (152.40)	17.0	16M4474	198.32
● GSD-1500	1500	5.38 (136.65)	4.44 (112.78)	6.00 (152.40)	20	16M4476	295.09

STRAIGHT ISOLATION TRANSFORMERS WITH ELECTROSTATIC SHIELDS GROUNDED TO CORE

Primaries 115V, 50/60Hz line cord (can operate from 400Hz source with no change in output ratings). Mfg. part no. P-6410 has secondary female receptacle; mfg. part no. P-6411, P-6412, P-6413 have lead termination. Secondaries 115V. Case, core and electrostatic shield internally connected to third conductor of NEMA standard cord and receptacle.

P-6413	0.6	1.25 (31.75)	2.125 (53.97)	1.25 (31.75)	0.25	05F1431	25.74
● P-6411	15	2.00 (50.80)	3.25 (82.55)	1.875 (47.63)	1.0	16M3806	25.47
P-6412	35	2.31 (58.67)	3.75 (95.25)	2.00 (50.80)	1.7	05F1432	31.63
P-6410	50	3.50 (88.90)	2.813 (71.44)	3.500 (88.9)	3.7	01F317	95.19
P-6406*	50	2.38" (60.45)	3.75" (95.25)	2.31" (58.67)	1.8	98F454	41.24

STRAIGHT ISOLATION TRANSFORMERS WITH THREE CONDUCTOR LINE CORD AND RECEPTACLE

115V primary and secondary, 50/60Hz (can operate from 400Hz source with no change in output ratings). Case, core and electrostatic shield internally connected to third conductor of NEMA standard cord and receptacle.

● GIS-100	100	3.50 (88.90)	2.813 (71.48)	3.563 (90.49)	4.5	16M3778	116.24
● GIS-150	150	3.875 (98.43)	3.13 (79.50)	4.188 (106.36)	7.0	01F1001	108.38
● GIS-250	250	4.688 (119.06)	3.75 (95.25)	4.375 (111.13)	9.0	16M3780	156.99
● GIS-500	500	4.688 (119.06)	3.75 (95.25)	6.00 (152.40)	16	01F1003	181.17
● GIS-1000	1000	5.38 (136.65)	4.375 (111.12)	8.125 (206.38)	31	01F1004	346.81

STEP-DOWN ISOLATION TRANSFORMERS WITH 3-LINE CORD AND RECEPTACLE

230V primary/115V secondary, 50/60Hz (can operate from 400Hz source with no change in output ratings). Case, core and electrostatic shield internally connected to third conductor of NEMA standard cord and receptacle.

● GISD-100	100	3.50 (88.90)	2.813 (71.44)	3.563 (90.49)	4.5	01F1005	117.88
● GISD-150	150	3.875 (98.43)	3.125 (79.38)	4.188 (106.36)	7.0	01F1006	129.09
● GISD-250	250	4.688 (119.06)	3.75 (95.25)	4.38 (111.25)	9.0	01F1007	129.07
● GISD-500	500	4.688 (119.06)	3.75 (95.25)	6.00 (152.40)	16.0	16M3786	180.81
● GISD-1000	1000	5.38 (136.65)	4.38 (111.13)	8.125 (206.38)	31.0	16M3783	358.79

*Has electrostatic shield on separate leadwire (not grounded) and Primary is 2 separate 115V windings. (6015)

STEP-UP/STEP-DOWN AUTOTRANSFORMERS



TRIAD



Case Type X



Case Type M



Case Type U

Single-winding autotransformers in which the primary coil is a fraction of the entire winding for voltage step-up or the secondary coil is a fraction of the entire winding for voltage step-down. Part of the power is transferred conductively through the windings. All units are 50/60Hz line frequency except units with U suffix in mfg. part no. which is 60Hz. Hi-pot tested to 1500Vrms. Available in various configurations, case types and output watts (VA) ratings. Units with X or U suffix in mfg. part no. have leads; M suffix have 2-wire plug, socket and 6' line cord; and MG suffix have 3-wire plug with ground, socket and 6' line cord.

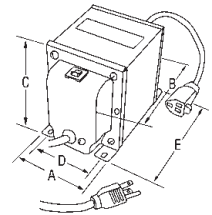
Mfg. Part No.	Power VA	Primary Volts	Secondary Volts	Amps	Case Type	Dimensions (in.)		Stock No.	Price Each
						MW	MD		1-9
● N-1X	50	230	115	0.435	X	3.125	...	78K8606	14.75
● N-2X	100	230	115	0.870	X	3.563	...	78K8607	16.64
● N150MG	150	115	230	0.650	M	2.250	2.125	81F2438	105.00
● N-4MG	150	230	115	1.300	M	2.250	2.375	96B6783	80.62
● N-6U	200	230	115	1.700	U	2.813	2.125	78K8614	30.73
● N250MG	250	115	230	1.100	M	2.500	2.438	81F2439	111.01
● N-5MG	250	230	115	2.170	M	2.500	3.500	02F1058	126.61
● N-500MG	500	115	230	2.200	M	3.000	3.625	69M4180	132.60
● N-7MG	600	230	115	5.220	M	3.000	3.875	78K8616	134.55
● N1000MG	1000	115	230	4.350	M	3.500	4.125	81F2441	204.44
● N-9MG	1250	230	115	10.85	M	3.500	4.500	02F1061	330.90
● N11-MG	2000	230	115	17.400	M	3.500	6.875	66K9549	267.90

(85807)

LINE ISOLATION TRANSFORMERS



171 series transformers for use where equipment isolation is required (primary 115V, secondary 115V), 50/60Hz operation. Electrostatic shield between primary and secondary, with standard 3-wire plug and outlet receptacle. Chassis mount-enclosed, minimum 5' cord with plug. Input (primary) connected to 5' long cord and Standard North American plug. Output (secondary) connected to 1' long 3-wire grounded receptacle. UL listed.



Mfg. Part No.	VA (Max.)	Dimensions					Weight	Stock No.	Price Each
		A	B	C	D	E			1-4
● 171A	100	3.75"	5.06"	4.68"	3.00"	3.38"	6.5 lbs.	66F7240	101.19
● 171B	200	3.75"	5.56"	4.68"	3.00"	3.38"	8 lbs.	96F5545	122.37
● 171C	300	3.75"	6.06"	4.68"	3.00"	4.38"	11 lbs.	93K7636	128.22
● 171E	500	3.75"	7.06"	4.68"	3.00"	5.38"	14 lbs.	96F5547	181.00

(6080)

NETWORK ISOLATION TRANSFORMERS



- 500Vrms isolation
- Industry-standard footprint
- Compatible with standard networks
- Backward compatible with Sn/Pb soldering systems



1605C is a package of unity-turns-ratio isolation transformers. Transformers are designed to have fast rise times with low phase shift and insertion loss to reduce signal distortion. The high shunt impedance minimizes system loading and enables the correct termination conditions to be accurately defined by means of resistors. The devices can be used as network-node isolators in CSMA/CD systems.

Mfg. Part No.	Turns Ratio	Primary Inductance Min. (mH)	Min. ET Constant (V μ s)	Stock No.	Price Each
					1-9
● 1605C	1:1	26	1.8	17M3439	2.59

(110574)

QUAD ISOLATION TRANSFORMER PACKS



- Logic translation
- Bi-directional
- Invert / non-invert
- TTL-CMOS conversion
- Toroidal construction
- Low profile
- 500Vrms isolation
- Backward compatible with Sn/Pb soldering systems



1600 series are quad isolation transformer packs for use in digital circuits. They are particularly suited to isolating microprocessor bus connections and performing logic level translation. Being completely passive, power savings are offered over opto-coupled or emitter follower solutions.

Mfg. Part No.	Function	Turns Ratio	Primary Inductance Typ. (mH)	Max. Pulse Width (μ s)	Stock No.	Price Each
						1-9
● 1600C	5V to 5V logic isolation	1:1	3	5	06M4953	11.16
● 1630C	5V to 15V logic isolation	1:3	1	2.6	17M3440	12.63

(110573)

New products added weekly



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(148888)

ISOLATION TRANSFORMERS

CONVERTER TRANSFORMERS

- Maxim MAX250/MAX251/MAX253 compatible
- Isolation to 6kVDC*
- Toroidal construction
- Industry-standard pinout
- UL 94 V-0 package materials
- Fully encapsulated
- Backward compatible with Sn/Pb soldering systems
- BS EN 60950 approved



76250ENC converter transformer is specifically designed for use with Maxim chipsets to provide isolated RS232 interfaces. A carefully controlled turns ratio ensures consistent performance whilst a toroidal construction minimizes EMI.

76253/35ENC and **76253/55ENC** converter transformers are specifically designed for use with the MAX253 chip set to provide isolated power supplies. The 5V version can supply 1W and the 3.3V version can supply 500mW. A center tapped secondary winding allows for full bridge, half bridge or voltage doubling. Ideal for use in telecoms applications.

Mfg. Part No.	Input Voltage (V)	Output Voltage (V)	Output Current Max. (mA)	Turns Ratio $\pm 2\%$	Primary Ind. Min. (mH)	DCR Resistance Max. (Ohm)	Stock No.	Price Each 1-9
● 76250ENC	...	...	...	1CT:1	1	2	62K0961	4.47
● 76253/35ENC	3.3	5	100	1:~5	140	0.8	62K0962	4.47
● 76253/55ENC	5	5	200	1:1.33	175	0.9	62K0963	4.47

*Flash tested for 1 second (110576)

786 SERIES GENERAL PURPOSE PULSE TRANSFORMERS

- 4 configurations
- Primary inductance to 10mH
- 1kVrms isolation*
- Industry standard pinout
- UL 94 V-0 package materials
- Low profile
- Toroidal construction
- Fully encapsulated



786 series is a comprehensive range of general purpose pulse transformers. Common applications include line coupling, matching or isolating. The devices can also be used in small isolated power supplies and as common-mode chokes in filtering applications. **Surface mount option also available; go online or call.**

Mfg. Part No.	Turns Ratio $\pm 2\%$	Primary Inductance Min. (μH)	DCR Resistance Max. (Ohm)	Stock No.	Price Each 1-9
● 78601/1C	1:1	2000	0.6	62K0996	1.56
● 78601/2C	1:1	500	0.34	62K1002	1.56
● 78601/3C	1:1	200	0.25	62K1005	1.56
● 78602/1C	1:1:1	2000	0.66	62K1017	1.56
● 78602/2C	1:1:1	500	0.34	62K1023	1.56
● 78604/1C	2:1	2000	0.6	62K1038	1.56
● 78604/2C	2:1	500	0.34	62K1044	1.56
● 78615/1C	1CT:1CT	2000	0.6	62K1080	1.56
● 78615/2C	1CT:1CT	500	0.34	62K1086	1.56

*Flash tested for 1 second (110575)

ISOLATION TRANSFORMERS WITH STATIC-SHIELD

Just Added



Case Type X



Case Type M



Case Type A



Case Type U

- Primary: 115/230VAC, 50/60Hz
- Secondary: 115/230VAC
- Output watts: 15 to 1,000VA
- Hi-pot tested at 1500 Vrms

Ideal for isolating equipment from direct connection to the power line. Offered in a variety of voltages and case types. Constructed with nonconcentrically wound coils. The primary and secondary are wound on separate arbors, then assembled on a laminate core side-by-side separated by insulation. This prevents electrical connection, under normal or overload conditions, between the primary and secondary windings. Units with X or A suffix in mfg. part no. have leads; M suffix have 2-wire plug, socket and 6' cord and are UL listed and verified to meet federal specifications. These isolation transformers are also offered in a hospital type unit; ordered separately below.

Mfg. Part No.	Power VA	Primary Volts	Secondary Volts Amps	Case Type	Dimensions (in.) MW MD	Stock No.	Price Each 1-9
● N-48X	15	115	115 0.130	X	2.813 ...	78K8609	16.97
● N-51X	35	115	115 0.300	X	3.125 ...	78K8611	13.13
● N68X	50	115/230	115 0.435	X	3.125 ...	18M9252	12.25
● N77U†	100	115/230	115 0.86	U	2.250 2.500	18C5406	29.01
● N-67A	150	115/230	115 1.300	A	2.500 3.000	03F605	51.39

➤ CONTINUED ➤

ISOLATION TRANSFORMERS WITH STATIC-SHIELD (CONT.)

Mfg. Part No.	Power VA	Primary Volts	Secondary Volts Amps	Case Type	Dimensions (in.) MW MD	Stock No.	Price Each 1-9
● N-66A	250	115/230	115 2.170	A	3.000 3.625	78K8615	68.04
● N-57MG	500	115	115 4.350	M	3.500 5.125	06C0741	238.96

†Unit does not include static shield

ISOLATION TRANSFORMERS FOR HOSPITAL/DENTAL APPLICATIONS

Designed and constructed to meet the low-leakage current requirements for today's medical equipment. Leakage current primary-to-secondary is rated less than 50 micro-amps and is measured at less than 10 micro-amps. Includes 6' line cord, plug and socket with a resettable circuit breaker to provide protection from overload and short circuit conditions. UL listed 544 File E102910 and verified to meet federal specifications W-C 596E.

Mfg. Part No.	Power VA	Primary Volts	Secondary Volts Amps	Case Type	H x W x D (in.)	Stock No.	Price Each 1-9
● N-90-MD	250	115	115 2.17	M	4.625 x 3.875 x 6.125	46F2195	232.54
● N-92-MD	500	115	115 4.35	M	5.344 x 4.500 x 7.000	30M8908	283.17

(6003)

LINE ADJUSTING AND ISOLATION TRANSFORMERS AND FILTER CHOKES

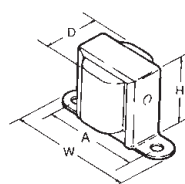


Figure 1

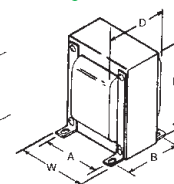


Figure 2

AT SERIES LINE ADJUSTING TRANSFORMER

Step-down and step-up autoformers. Input 50/60Hz with wire leads. Input voltage: 230V. Output voltage: 115V. Weight: 1.5lbs.

Mfg. Part No.	Fig.	VA	RMS Test Volts	Dimensions (inches) H W D A	Stock No.	Price 1-9
● SPC20976	1	50	1500	2 3/4 3 1/16 1 7/8 3 1/8	10M5580	23.46

AT SERIES ISOLATION TRANSFORMER

50/60Hz wire-in type with lead wires for permanent installation (shielded). Input voltage: 115V. Output voltage: 115V. Weight: 1lb.

● SPC20977	1	15	1500	2	3/4	1 3/4	2 1/16	10M5581	16.51
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C SERIES FILTER CHOKES

High current chokes for 1500Vrms. Lead terminals. Weight: 5.3 to 5.9 lbs. Inductance (nominal): 10mH.

Mfg. Part No.	Fig.	DC Amps	DC Res. Ohms	RMS Test Volts	Dimensions (inches) H W D A B	Stock No.	Price 1-9
● SPC20974	2	8.0	0.15	1500	3 3/4 3 3/4 3 3/16 3 3/8 2 1/2	10M5578	44.69
● SPC20975	2	12.5	0.11	1500	3 3/2 4 3/4 3 3/16 3 3/8 2 3/8	10M5579	58.76

(6071)

MEDICAL GRADE ISOLATION TRANSFORMERS



IS1800HG Front



IS1800HG Rear

- UL 60601-1 listed, full isolation
- Reduce the cumulative leakage currents of all connected loads to <100μA leakage current
- Superior common mode and normal mode rejection
- Provides the highest level of EMI/RFI (up to 60dB @ 500 KHz)
- Protects electronics and healthcare equipment
- Hospital-grade plugs and receptacles

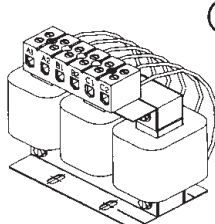
Mfg. Part No.	Output Capacity Watts	Joules Surge Protection	Hospital-Grade Outlets	Dimensions (in.) H W D	Stock No.	Price Each 1-2
IS250HG.	250	940	2	4.5 4.75 7.75	73C4913	223.56
IS500HG.	500	680	4	5.75 6.25 9.25	73C4914	329.55
IS1000HG	1000	680	4	7.25 7.25 10.5	73C4912	348.13
IS1800HG.	1800	1190	6 (20 Amp)	7.75 8.25 12.25	75C9541	743.55

(50874)

LINE REACTORS • TOROIDAL TRANSFORMERS

RM SERIES 3-PHASE
LINE REACTORS

Designed to reduce or eliminate most line problems including nuisance tripping, harmonic distortion, line notching, etc. In addition, performance, life expectancy and efficiency of both the motor and drive components will be extended and enhanced. These line reactors feature core and coils of the highest quality and performance, a superior insulation system, full "VPI" impregnation using VT polyester resin and custom-brazed connections. Suffix "E" in mfg. part no. indicates enclosed style. **Note: Some mfg. part numbers appear in more than one table, depending on their application.** UL listed, CSA certified, CE compliant. Line reactors are available in both 3% and 5% impedances with HP ratings from 1 to 100/ampereage from 2 to 1200; go online or call.



240 VOLT 3% IMPEDANCE

Mfg. Part No.	HP	Amps	H x W x D	Weight	Stock No.	Price Each
						1-4
● RM0004N65	0.5	4	3.40 x 4.40 x 2.83"	2.8 lbs.	91F4008	112.33
● RM0004N30	1	4	3.40 x 4.40 x 2.83"	2.3 lbs.	91F3993	105.08
● RM0008N30	1.5	8	3.40 x 4.40 x 2.83"	3.1 lbs.	91F3994	110.50
● RM0008N15	2	8	3.40 x 4.40 x 2.83"	2.8 lbs.	91F3995	108.71
● RM0012N13	3	12	3.40 x 4.40 x 2.83"	2.9 lbs.	91F3996	113.32
● RM0018P80	5	18	4.80 x 6.00 x 3.30"	7.1 lbs.	91F4041	153.39
● RM0025P50	7.5	25	5.70 x 6.00 x 3.09"	7.0 lbs.	91F3997	160.64
● RM0035P40	10	35	5.70 x 6.00 x 3.34"	8.9 lbs.	91F3998	178.76
● RM0045P30	15	45	5.70 x 6.00 x 3.84"	13 lbs.	31C9468	192.04
● RM0055P25	20	55	5.70 x 6.00 x 3.84"	12 lbs.	31C9472	274.17
● RM0080P20	25	80	6.88 x 8.50 x 4.37"	26 lbs.	31C9474	282.63

480 VOLT 3% IMPEDANCE

● RM0002M12	1	2	3.40 x 4.40 x 2.83"	2.3 lbs.	91F4020	101.51
● RM0004N91	1.5	4	3.40 x 4.40 x 2.83"	2.7 lbs.	91F4036	117.16
● RM0004N65	2	4	3.40 x 4.40 x 2.83"	2.8 lbs.	91F4008	112.33
● RM0008N50	3	8	3.40 x 4.40 x 2.83"	4.3 lbs.	91F4009	130.45
● RM0008N30	5	8	3.40 x 4.40 x 2.83"	3.1 lbs.	91F3994	110.50
● RM0012N25	7.5	12	4.80 x 6.00 x 3.30"	7.5 lbs.	91F4010	170.62
● RM0018N15	10	18	4.80 x 6.30 x 3.55"	9.1 lbs.	31C9457	183.41
● RM0025N12	15	25	4.80 x 6.30 x 3.55"	10 lbs.	31C9460	184.80
● RM0035P80	20	35	5.61 x 6.90 x 3.95"	12 lbs.	31C9466	226.19
● RM0045P70	30	45	5.61 x 6.90 x 4.45"	22 lbs.	31C9470	268.69

600 VOLT 3% IMPEDANCE

● RM0002M20	1	2	3.40 x 4.40 x 2.83"	2.6 lbs.	91F4024	106.29
● RM0002M12	1.5	2	3.40 x 4.40 x 2.83"	2.3 lbs.	91F4020	101.51
● RM0004M12	2	4	3.40 x 4.40 x 2.83"	4.1 lbs.	91F4007	120.78
● RM0004N91	3	4	3.40 x 4.40 x 2.83"	2.7 lbs.	91F4036	117.16
● RM0008N50	5	8	3.40 x 4.40 x 3.39"	4.3 lbs.	91F4009	130.45
● RM0012N31	7.5	12	4.80 x 6.00 x 3.55"	9.4 lbs.	91F4037	184.80
● RM0012N25	10	12	4.80 x 6.00 x 3.30"	7.5 lbs.	91F4010	170.62
● RM0018N15	15	18	4.80 x 6.00 x 3.55"	9 lbs.	31C9457	183.41
● RM0035N12	25	35	6.88 x 8.50 x 4.37"	26 lbs.	31C9463	283.84

ENCLOSED 240 VOLT 3% IMPEDANCE

Mfg. Part No.	HP	Amps	Weight	Enclosure Style	Stock No.	Price Each
						1-4
● RM0004N65E	0.5	4	2.8 lbs.	3.40 x 4.40 x 2.83"	31C9449	188.42
● RM0004N30E	1	4	2.3 lbs.	3.40 x 4.40 x 2.83"	31C9448	179.97
● RM0008N30E	1.5	8	3.1 lbs.	3.40 x 4.40 x 2.83"	31C9452	195.67
● RM0008N15E	2	8	2.8 lbs.	3.40 x 4.40 x 2.83"	31C9451	154.82
● RM0012N13E	3	12	2.9 lbs.	3.40 x 4.40 x 2.83"	31C9454	194.46
● RM0018P80E	5	18	7.1 lbs.	4.80 x 6.00 x 3.30"	31C9459	236.73
● RM0025P50E	7.5	25	7.0 lbs.	5.70 x 6.00 x 3.09"	31C9462	243.98
● RM0035P40E	10	35	8.9 lbs.	5.70 x 6.00 x 3.34"	31C9465	265.72
● RM0045P30E	15	45	13 lbs.	5.70 x 6.00 x 3.84"	31C9469	281.42
● RM0055P25E	20	55	12 lbs.	5.70 x 6.00 x 3.84"	31C9473	375.63
● RM0080P20E	25	80	26 lbs.	6.88 x 8.50 x 4.37"	31C9475	399.79

ENCLOSED 480 VOLT 3% IMPEDANCE

● RM0002M12E	1	2	2.3 lbs.	3.40 x 4.40 x 2.83"	31C9445	179.97
● RM0004N91E	1.5	4	2.7 lbs.	3.40 x 4.40 x 2.83"	31C9450	195.67
● RM0004N65E	2	4	2.8 lbs.	3.40 x 4.40 x 2.83"	31C9449	188.42
● RM0008N30E	5	8	3.1 lbs.	3.40 x 4.40 x 2.83"	31C9452	195.67
● RM0012N25E	7.5	12	7.5 lbs.	4.80 x 6.00 x 3.30"	31C9455	258.47
● RM0018N15E	10	18	9.1 lbs.	4.80 x 6.30 x 3.55"	31C9458	277.80
● RM0025N12E	15	25	10 lbs.	4.80 x 6.30 x 3.55"	31C9461	272.97
● RM0035P80E	20	35	12 lbs.	5.61 x 6.90 x 3.95"	31C9467	359.93
● RM0045P70E	30	45	22 lbs.	5.61 x 6.90 x 4.45"	31C9471	394.95

ENCLOSED 600 VOLT 3% IMPEDANCE

● RM0002M20E	1	2	2.6 lbs.	3.40 x 4.40 x 2.83"	31C9446	181.17
● RM0002M12E	1.5	2	2.3 lbs.	3.40 x 4.40 x 2.83"	31C9445	179.97
● RM0004M12E	2	4	4.1 lbs.	3.40 x 4.40 x 2.83"	31C9447	198.08

➔ CONTINUED ➔

RM SERIES 3-PHASE LINE REACTORS (CONT.)

ENCLOSED 600 VOLT 3% IMPEDANCE

Mfg. Part No.	HP	Amps	Weight	Enclosure Style	Stock No.	Price Each
						1-4
● RM0004N91E	3	4	2.7 lbs.	3.40 x 4.40 x 2.83"	31C9450	195.67
● RM0008N50E	5	8	4.3 lbs.	3.40 x 4.40 x 3.39"	31C9453	181.17
● RM0012N31E	7.5	12	9.4 lbs.	4.80 x 6.00 x 3.55"	31C9456	272.97
● RM0012N25E	10	12	7.5 lbs.	4.80 x 6.00 x 3.30"	31C9455	258.47
● RM0018N15E	15	18	9 lbs.	4.80 x 6.00 x 3.55"	31C9458	277.80
● RM0025N12E	25	35	26 lbs.	6.88 x 8.50 x 4.37"	31C9461	272.97

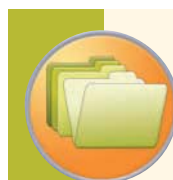
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POWER
TOROIDS

Low-profile toroidal design saves space and weight. Low EMF radiation. Dual primary, 117/234V, 50-60Hz. 4,000Vrms hipot test. Dual secondaries for series or parallel connection. UL recognized, CSA certified, CE compliant.



Mfg. Part No.	VA Rating	Secondary RMS		H x Dia. (")	Stock No.	Price Each
		Series V C.T./A	Parallel V/A			
● 182K6	15	12/1.25	6/2.5	3.20 x 1.25	93B9352	57.37
● 182H9	15	18/8.3	9/1.66	3.20 x 1.25	93B9372	57.37
● 182G15	15	30/5	15/1	3.20 x 1.25	10M5337	57.37
● 182F18	15	36/4.2	18/8.4	3.20 x 1.25	95B5000	57.37
● 182F22	15	44/3.4	22/6.8	3.20 x 1.25	95B5001	57.37
● 182D117	15	234/64*	117/128*	3.20 x 1.25	95B4998	57.37
● 182K9	30	18/1.67	9/3.34	2.95 x 1.60	95B5016	57.37
● 182K12	30	24/1.25	12/2.5	2.95 x 1.60	95B5014	57.37
● 182J15	30	30/1	15/2	2.95 x 1.60	95B5011	57.37
● 182H18	30	36/8.3	18/1.66	2.95 x 1.60	95B5009	57.37
● 182G22	30	44/6.8	22/1.36	2.95 x 1.60	95B5007	57.37
● 182E117	30	234/128*	117/256*	2.95 x 1.60	95B4999	57.37
● 182N6	50	12/4.17	6/8.34	3.63 x 1.73	95B5026	62.82
● 182M9	50	18/2.78	9/5.56	3.63 x 1.73	95B5023	62.82
● 182L12	50	24/2.08	12/4.16	3.63 x 1.73	95B5018	62.82
● 182K15	50	30/1.67	15/3.34	3.63 x 1.73	95B5015	62.82
● 182J18	50	36/1.39	18/2.78	3.63 x 1.73	95B5012	62.82
● 182J22	50	44/1.14	22/2.28	3.63 x 1.73	95B5013	62.82
● 182G117	50	234/214*	117/428*	3.63 x 1.73	95B5003	62.82
● 182Q9	120	18/6.67	9/13.34	3.98 x 1.68	95B5030	71.03
● 182N15	120	30/4	15/8	3.98 x 1.68	95B5025	71.03
● 182M18	120	36/3.33	18/6.66	3.98 x 1.68	95B5021	71.03
● 182M22	120	44/2.73	22/5.46	3.98 x 1.68	95B5022	71.03
● 182L30	120	60/2	30/4	3.98 x 1.68	95B5019	57.68
● 182J117	120	234/513*	117/1.02	3.98 x 1.68	04M4704	71.03
● 182S12	225	24/9.38	12/18.76	4.97 x 1.90	95B5032	87.40
● 182H15	225	30/7.5	15/15	4.97 x 1.90	95B5008	87.40
● 182G18	225	36/6.25	18/12.5	4.97 x 1.90	95B5006	87.40
● 182P22	225	44/5.11	22/10.22	4.97 x 1.90	95B5029	87.40
● 182L117	225	234/96	117/1.92	4.97 x 1.90	95B5017	87.40
● 182S24	500	48/10.42	24/20.82	5.50 x 2.21	95B5033	128.37
● 182R30	500	60/8.33	30/16.66	5.50 x 2.21	95B5031	128.37
● 182N60	500	120/4.17	60/8.34	5.50 x 2.21	88K1351	128.37
● 182N117	500	234/2.14	117/4.28	5.50 x 2.21	95B5024	128.37

*mA
(49289)

(148881)

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TOROIDAL TRANSFORMERS • GENERAL PURPOSE TRANSFORMERS • BUCK-BOOST TRANSFORMERS

MINIATURE TOROIDS



- High quality construction
- Extremely low radiated magnetic field, suitable for sensitive electronics
- Double insulated primary leads
- Resin filled centre with M4 clear mounting hole
- Flexible lead outs can be trimmed to any length without the need of enamel removal
- Suitable for use in low power equipment
- Designed, tested and manufactured in accordance with **EN60742**, **EN60065** and **EN60950**.
- 100% electrical and flash tested
- No mounting screw supplied
- Max. ambient temperature: 40°C
- Overall temperature rating: Class A (105°C)
- Secondary voltage tolerance: $\pm 1\%$ at nom. input and full resistive load



Lead L=150, stripped and tinned ends.

A high quality range of miniature open style toroidal transformers with flying leads. Featuring a single primary winding tapped at 115 and 230V 50/60Hz, and dual secondary windings. Secondary windings can be connected in series or parallel or used independently.

SPECIFICATIONS

Load VA	Regulation (%)	Dimensions (in.)		Weight (lbs.)
		Diameter	Height	
1.6	21	1.66	0.91	0.29
3.2	20	1.67	0.94	0.31
5	18	2	0.94	0.37
7	19	2.01	0.94	0.43

1.6VA

Mfg. Part No.	Secondary Voltages (V)	Current Rating (A)	Stock No.	Price Each 1-24
● MCFM16/07	0-7, 0-7	0.114	38K4638	11.59
● MCFM16/09	0-9, 0-9	0.089	38K4639	11.59
● MCFM16/12	0-12, 0-12	0.067	38K4640	11.59
● MCFM16/15	0-15, 0-15	0.053	38K4641	11.59
● MCFM16/22	0-22, 0-22	0.036	38K4642	11.59

3.2VA

● MCFM32/07	0-7, 0-7	0.229	38K4643	11.78
● MCFM32/09	0-9, 0-9	0.178	38K4644	11.78
● MCFM32/12	0-12, 0-12	0.133	38K4645	11.78
● MCFM32/15	0-15, 0-15	0.2107	38K4646	11.78
● MCFM32/18	0-18, 0-18	0.089	38K4647	11.78

5VA

● MCFM50/07	0-7, 0-7	0.357	38K4648	12.20
● MCFM50/09	0-9, 0-9	0.278	38K4649	12.20
● MCFM50/12	0-12, 0-12	0.208	38K4650	12.20
● MCFM50/15	0-15, 0-15	0.167	38K4651	12.20
● MCFM50/18	0-18, 0-18	0.139	38K4652	12.20
● MCFM50/22	0-22, 0-22	0.114	38K4653	12.20

7VA

● MCFM70/07	0-7, 0-7	0.5	38K4654	12.35
● MCFM70/09	0-9, 0-9	0.389	38K4655	12.35
● MCFM70/12	0-12, 0-12	0.292	38K4656	12.35
● MCFM70/15	0-15, 0-15	0.233	38K4657	12.35
● MCFM70/18	0-18, 0-18	0.194	38K4658	12.35
● MCFM70/22	0-22, 0-22	0.159	38K4659	12.35

(116612)

GENERAL-PURPOSE DISTRIBUTION TRANSFORMERS



General-purpose distribution transformers are available in single-phase units from 0.050 to 25kVA and 3-phase units from 15 to 75kVA in a wide range of primary and secondary voltage combinations. Benefits include free shielding on 1kVA and above, UL-3R enclosures standard, fast delivery, easy installation and the industry's only "10 + 2" factory warranty. Typical applications include: hospitals, industrial plants, schools, shopping centers, office, commercial, apartment, high rise and institutional buildings. UL listed. **NOTE:** all transformers are available in stainless steel NEMA 4X enclosures and copper windings; go online or call Newark.

240/480V PRIMARY, 120/240V SECONDARY — SINGLE-PHASE, 60 HZ

Mfg. Part No.	kVA	Height (in.)	Width (in.)	Depth (in.)	Weight (lbs.)	Stock No.	Price Each 1-4
● HS1B50	0.05	6	4	3	3	93K6571	42.86
● HS1B100	0.1	6	4	3	4	93K6568	53.17
● HS1B150	0.15	8	4	4	5	93K6569	66.33
● HS1B250	0.25	8	4	4	8	93K6570	81.61

➔ CONTINUED ➔

GENERAL-PURPOSE DISTRIBUTION TRANSFORMERS (CONT.)

Mfg. Part No.	kVA	Height (in.)	Width (in.)	Depth (in.)	Weight (lbs.)	Stock No.	Price Each 1-4
● HS1F500B	0.5	10	6	5	22	93K6575	113.38
● HS1F750B	0.75	10	6	5	23	93K6576	134.25
● HS1F1BS	1	10	6	5	28	93K6573	170.38
● HS1F1.5AS	1.5	12	10	7	39	92F5240	197.91
● HS1F2AS	2	12	10	7	47	93K6574	293.79
● HS5F3AS	3	12	10	7	55	93K6585	350.80
● HS5F5AS	5	17	14	9	104	93K6586	521.11
● HS5F7.5AS	7.5	17	14	9	135	92F5244	680.22
● HS5F10AS	10	17	14	9	156	98B8938	817.75
● ESSH15S	15	23	14	16	162	11J8654	1882.47
● ESSH25S	25	28	16	16	254	11J8656	2625.27

480V Δ PRIMARY, 208Y/120V SECONDARY — 3-PHASE, ENCAPSULATED, 60 HZ

May also be used with a 480Y/277 VAC supply.

Mfg. Part No.	Shield*	kVA	Height (in.)	Width (in.)	Depth (in.)	Weight (lbs.)	Stock No.	Price Each 1-4
● ET2H15S	WS-02	15	23	18	14	187	77C6328	2285.63
● ET2H30S	WS-14	30	28	23	16	292	11J8663	2637.57
● ET2H45S	WS-14	112	28	23	16	376	11J8665	3255.56
● ET2H75S	WS-30	150	34	28	16	569	11J8667	4116.27
● ET2H112S	WS-30	112	34	28	22	768	11J8660	6259.62
● ET2H150S	WS-10	150	44	33	21	933	11J8661	8083.88

480V Δ PRIMARY, 240V Δ, 120V SECONDARY WITH REDUCED CAPACITY CENTER TAP — 3-PHASE, 60 HZ

Mfg. Part No.	NEMA 3R Weather Shield*	kVA	Height (in.)	Width (in.)	Depth (in.)	Weight (lbs.)	Stock No.	Price Each 1-4
● ET5H15S	WS-02	15	23	18	14	189	11J8669	2306.41
● ET5H30S	WS-14	30	28	23	16	292	85H0064	2859.86
● ET5H45S	WS-14	45	28	23	16	381	11J8673	3282.69
● ET5H75S	WS-30	75	34	28	22	560	11J8675	4421.93
● ET5H112S	WS-30	112.5	34	28	22	760	11J8668	6575.47
● ET5H150S	WS-10	150	44	33	21	940	11J8670	8154.17

*Weather shields come in a set of two and need to be ordered separately; go online or call.
(5753)

BUCK-BOOST TRANSFORMERS



Buck-boost transformers are an ideal solution for economically changing line voltage by small amounts. These small, single-phase, dry-type distribution transformers have a dual voltage primary and secondary, making them unique in their ability to be connected in a wide range of voltage combinations. The most common use is to buck (lower) or boost (raise) the supply voltage a small amount, usually ± 5 to 27%. Buck-boost transformers are UL-3R listed for outdoor service, compact in size, and are excellent for use in low voltage lighting and control applications, or any systems requiring 12, 16, 24, 32, or 48 volts. UL listed, CSA certified.



SINGLE PHASE, 120 x 240 PRIMARY 1½% SECONDARY 60 HZ

Mfg. Part No.	kVA	Height	Width	Depth	Weight	Stock No.	Price Each 1-4
● HS19B50	0.050	6"	4"	3"	2 lbs	93K6580	61.68
● HS19B100	0.100	6"	4"	3"	4 lbs	93K6577	72.71
● HS19B150	0.150	7.5"	4"	4"	5 lbs	93K6578	88.12
● HS19B250	0.250	7.5"	4"	4"	8 lbs	93K6579	96.36
● HS19F500B	0.500	10"	6"	5"	22 lbs	93K6583	130.13
● HS19F750B	0.750	10"	6"	5"	27 lbs	93K6584	174.20
● HS19F1B	1	10"	6"	5"	28 lbs	93K6582	216.20
● HS19F1.5A	1.5	12"	10"	7"	38 lbs	92F5253	267.40

(5848)

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(148857)

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CONSTANT VOLTAGE TRANSFORMERS • VARIABLE TRANSFORMERS

CVS SERIES HARDWIRED
CONSTANT VOLTAGE
TRANSFORMERS

SOLA HD

Specifications:

- Output Voltage Regulation: $\pm 1\%$ for Line Variation of $+10\%$ to -20%
- Output Voltage Remains within NEMA Specifications for Input of $+20\%$ to -35%
- Provides Galvanic Isolation with Common and Normal Mode Noise Attenuation of 40dB
- 6kV, 200-Amp ANSI/IEEE C62.45-1991 Powerline Surge is Attenuated to a Let-Through of 1%
- Regardless of Input Waveform, Output is a Sine Wave with Less than 3% THD

10 Year
Warranty

The CVS series are well-recognized voltage regulation devices for industrial applications where extremely precise voltage regulation is required. All types are 60Hz hardwired input/output with a terminal block accessible through concentric knockouts. Even with heavily distorted and/or notched input voltages, the CVS series outputs a sine wave. CVS series devices filter harmonics, thereby protecting facility wiring and sensitive electrical loads from over-heating. CVS series devices are ideal for protecting industrial automation equipment, PLCs, panelboard power supplies, photographic enlargers, analytical lab equipment, broadcasting equipment and marine navigation equipment. To size a Sola CVS, simply multiply the load Volts x Amps to obtain the load VA requirement. Then select the next larger size Sola CVS. Note: If protection from severe brownouts is needed, the CVS series can be oversized for even greater input voltage window. If the load has an inductive inrush, such as relays, coils, solenoids, or motors, size the CVS series for the load inrush current. Or, with high inductive inrush loads, load power factor correction capacitors can reduce the need to oversize the CVS series for inductive inrush currents. UL listed, CSA certified.

Mfg. Part No.	Voltage		Overall Dimensions (Inches)				Wt. (lbs)	Stock No.	Price Each
	Output	60Hz Input	VA	H	W	D			
23-13-030-2	120	120	30	7	4	5	7	93K6766	306.93
23-13-060-2	120	120	60	7	4	5	9	93K6767	346.28
23-22-112-2	120	120/240	120	8	4	5	13	93K6768	460.46
23-23-125-8	120	120/240/480	250	11	6	8	29	05F943	629.14
23-23-150-8	120/240	120/208/240/480	500	13	9	7	42	93K6769	954.17
23-23-210-8	120/240	120/208/240/480	1000	17	9	7	65	93K6770	1477.41
23-23-220-8	120/240	120/208/240/480	2000	18	13	10	111	46F3371	2517.75
23-23-230-8	120/240	120/208/240/480	3000	19	13	10	142	93K6771	3476.82
23-23-250-8	120/240	120/208/240/480	5000	28	13	10	222	80W013	5426.97
23-28-275-6*	120/240	240/480	7500	27	25	9	365	93K6772	6416.85

*CSA not available.
(3847)

L2M AND L SERIES
POWERSTAT® VARIABLE
TRANSFORMERS

Superior Electric



L-Series



L2M-Series

L2M SERIES

Laboratory-type devices. Equipped with output voltage and current meters, binding post connections, on/off switch, and rocker style "on indicating" thermal magnetic circuit breaker. Input voltage: 120VAC single-phase. Output voltage: either 0-140VAC or 0-280VAC. Hertz: 50/60.

Mfg. Part No.	Hz	Output Volts	Constant Current Load		Stock No.	Price Each
			Max. Amps	Max. kVA		
L2M116C	50/60	0-140	10	1.4	91F5311	1004.36
L2M216C	50/60	0-280	1.5	0.49	91F5312	1103.13
L2M126C	50/60	0-140	15	1.8	91F5313	1186.67
L2M226C	50/60	0-280	3.1	1.05	91F5314	1233.97

L SERIES

Totally enclosed models designed to meet OSHA requirements. For maximum user protection and safety, all models are equipped with a grounded NEMA cord/plug assembly, on-off switch, pilot light, grounded output receptacle and fuse. All models have rear slots to accept wall hanger brackets for use in alternated locations. Input: 120VAC single-phase.

L10C	60	0-132	2.25	0.23	79W050	317.05
L21C	50/60	0-140	4.50	0.63	79W051	414.68
L116C	50/60	0-140	10.00	1.40	05F1271	485.14

(14135)

POWERSTAT® SERIES
VARIABLE TRANSFORMERS

Superior Electric



Just Added



Fig. 1



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9

Variable transformers provide continuously adjustable output voltage from utility line voltage. Movable brush-taps ride on commutators. Rotation of brush by manual or motor-driven means delivers any voltage in the range between zero and line voltage. Feature epoxy-coated POWERKOTE® coils for long life, greater ratings/overload capacities and better resistance to fungus, salt spray and other contaminants. All models available with motor drives except mfg. part nos. 10C, 12C. Mfg. part nos. 1156DU, 1256DU available with ratings to 365 kVA. Prefix 3PN denotes models with 3-wire cord/receptacle. Suffix T indicates terminal enclosure; suffix U indicates open construction. UL recognized, CSA certified. For Powerstat® transformer enclosures go online or call.

120V SINGLE-PHASE INPUT

Mfg. Part No.	Fig.	Hertz	Output Volts	Constant Current Load		Constant Impedance Load		Stock No.	Price Each
				Max. Amps	Max. kVA	Max. Amps	Max. kVA		
10C	4	50/60	0-120	2.25	0.27	3.00	0.36	32M1435	112.20
10C-40	4	50/60	0-40	7.00	0.28	9.00	0.36	32M1436	181.82
21*	2	50/60	0-140	5.00	0.70	7.00	0.84	32M1443	202.40
116CU*	2	50/60	0-140	10.00	1.40	...	...	60M3621	245.30
116CT	8	50/60	0-120	10.00	1.20	13.00	1.60	32M1438	380.60
3PN116C	1	50/60	0-140	10.00	1.40	...	...	32M1447	380.60
117CU*	2	60	0-120	12.00	1.40	15.00	1.80	32M1439	275.00
117CT	8	60	0-120	12.00	1.40	15.00	1.80	05F839	386.10
3PN117C	1	60	0-120	12.00	1.40	15.00	1.80	32M1448	375.67
126U*	2	50/60	0-140	15.00	2.10	...	...	05F767	471.90
126	3	50/60	0-140	15.00	2.10	...	...	05F766	459.28
136BT	8	50/60	0-120	22.00	2.60	28.00	3.40	94F316	920.40
136BU*	2	50/60	0-140	22.00	3.10	...	...	06F158	627.13
136B	3	50/60	0-140	22.00	3.10	...	...	05F812	808.80
146T	8	50/60	0-120	30.00	3.60	35.00	4.20	92F2223	1431.60
146U*	2	50/60	0-140	30.00	4.20	...	...	32M1442	1114.80
146	3	50/60	0-140	30.00	4.20	...	...	05F1232	1205.14
1156D	6	50/60	0-140	50.00	7.00	...	...	05F808	1733.20
1156DU*	5	50/60	0-140	50.00	7.00	...	...	79W060	1584.00

240V SINGLE-PHASE INPUT

12C	4	50/60	0-240	0.70	0.27	3.00	0.36	32M1440	168.30
22	2	50/60	0-240	0.70	0.27	3.00	0.36	05F895	260.00
216CT	8	50/60	0-240	0.70	0.27	3.00	0.36	92F2346	415.80
216CU*	2	50/60	0-280	3.50	0.98	...	...	32M1444	332.20
3PN216C	1	50/60	0-280	3.50	0.98	...	...	32M1449	368.17
217CU*	2	60	0-240	5.00	1.20	7.00	1.70	32M1445	341.00
3PN217C	1	60	0-240	5.00	1.20	7.00	1.70	32M1450	522.50
226U*	2	50/60	0-280	7.50	2.10	...	...	32M1446	471.90
226	3	50/60	0-280	7.50	2.10	...	...	05F768	473.00
226T	8	50/60	0-280	7.50	2.10	...	...	36B8560	603.90
3PN226	1	50/60	0-280	7.50	2.10	...	...	79W062	700.70
236B	3	50/60	0-280	10.00	2.80	...	...	05F813	741.91
F236B	7	50/60	0-280	10.00	2.80	...	...	05F623	1009.20
236BU*	2	50/60	0-280	10.00	2.80	...	...	06F161	747.60
246U*	2	50/60	0-280	15.00	4.20	...	...	79W063	1182.00
246	3	50/60	0-280	15.00	4.20	...	...	05F1234	1327.20
F246	7	50/60	0-280	15.00	4.20	...	...	79W064	1546.80
1256D	6	50/60	0-280	28.00	7.80	...	...	05F806	1759.88
1256DU*	5	50/60	0-280	28.00	7.80	...	...	79W065	1678.80

▶ CONTINUED ▶

VARIABLE TRANSFORMERS

POWERSTAT® SERIES VARIABLE TRANSFORMERS (CONT.)

240V SINGLE-PHASE INPUT

Mfg. Part No.	Fig.	Hertz	Output Volts	Constant Current Load		Constant Impedance Load		Stock No.	Price Each
				Max. Amps	Max. kVA	Max. Amps	Max. kVA		
1296DT	9	50/60	0-240	35.00	8.40	39.00	9.40	92F2226	2413.20
1296DU*	5	50/60	0-280	35.00	9.60	...	...	50F3797	1980.64

*Motor version available. Newark also stocks many replacement parts for Superior Electric products. (5608)

50/60Hz VARIABLE TRANSFORMERS

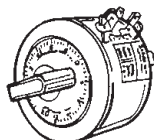


Fig. 1

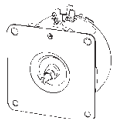


Fig. 2

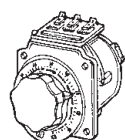


Fig. 3

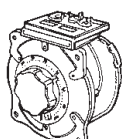


Fig. 4

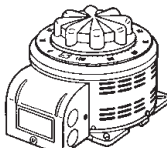


Fig. 5

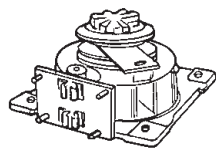


Fig. 6

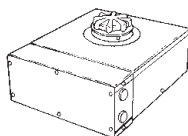


Fig. 7

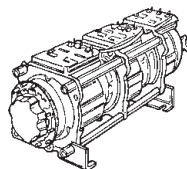


Fig. 8

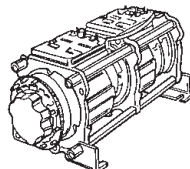


Fig. 9

Models available to suit a wide variety of applications: automation equipment such as vibrating parts feeders and finishing controls, test equipment, and industrial equipment such as motor speed controls and voltage regulators. Units operate on either 120 or 240 volts input. Mfg. part nos. without suffixes are open styles. "CT" suffix have coils and terminals enclosed, for panel or conduit mounting. All are 50/60Hz except (*) 60Hz only, and 1 60Hz on overvoltage. All models can be ordered clockwise or counterclockwise rotation. Additional ratings available including motor operated units, go online or call.

120 VOLT, SINGLE PHASE MODELS

Mfg. Part No.	Fig.	Volts	Amps	KVA	Dimensions (in.)			Stock No.	Price Each
					H	W	D		
● 171†	1	0-120/132	1.75	0.23	2.81	3.16	1.88	05F301	108.30
● 201†	1	0-120/132	2.0	0.26	2.81	3.16	1.88	79W028	99.65
● 221-B†	1	0-120/132	2.5	0.33	2.81	3.16	2.13	75M6082	112.86
● 291†	1	0-120/132	3.0	0.40	2.81	3.16	2.13	76M8673	146.36
● 511	2	0-120/140	5.0	0.70	3.94	4.16	2.38	74M8547	157.78
● 501C	3	0-120/140	5.0	0.70	3.75	4.25	2.92	75M6086	180.54
● 1010B	4	0-120/140	10.0	1.40	4.62	5.57	4.16	83F7357	215.91
● 1010BCT	5	0-120/140	10.0	1.40	5.50	4.62	6.31	74M8544	321.71
● 1210B*	3	0-120	12.0	1.44	4.62	5.57	4.16	83F7634	242.90
● 1510	4	0-120/140	15.0	2.10	6.81	6.13	4.25	74M8545	386.31
● 2510	4	0-120/140	25.0	3.50	8.25	7.63	4.13	05F330	567.24
● 2510CT	5	0-120/140	25.0	3.50	10.06	7.63	4.38	05F1319	704.88
● 5011	6	0-140	50.0	7.00	15.69	13.88	5.56	05F334	1285.02
● 5011CT	7	0-140	50.0	7.00	17.94	14.13	7.25	83F800	1469.12
● 6011	6	0-120/140	60.0	8.40	15.69	13.88	5.56	74M8548	1600.97

240 VOLT, SINGLE PHASE MODELS

● 252	1	0-240/260	0.8	0.21	2.81	3.16	2.13	79W038	176.46
● 1020B	3	0-240/280	3.5	0.98	4.62	5.57	4.16	83F7360	279.88
1020B-3	3	0-240/280	3.5	0.98	4.62	5.57	4.16	92B6070	1015.28
● 1020BCT	5	0-240/280	3.5	0.98	5.50	4.62	6.31	83F7361	345.39
1220B*	3	0-240/280	5.0	1.2	4.62	5.57	4.16	50B7416	311.69
● 1520	4	0-240/280	9.5	2.66	6.81	6.13	4.63	05F310	386.31
● 1520CT	5	0-240/280	9.5	2.66	6.81	8.97	4.88	05F1318	501.93
● 2520	4	0-240/280	10.0	2.80	8.25	7.63	4.13	74M8546	567.24
● 5021	6	0-240/280	28.0	7.80	15.69	13.88	5.56	05F336	1285.02
● 6020	6	0-240/280	35.0	9.80	15.69	13.88	5.56	79W044	1600.97

480 VOLT, SINGLE PHASE MODEL

● 1220B-2*	9	0-480	5.0	2.40	6.14	6.0	9.75	83F7363	747.84
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➤ CONTINUED ➤

50/60Hz VARIABLE TRANSFORMERS (CONT.)

480 VOLT, THREE PHASE MODELS

Mfg. Part No.	Fig.	Output			Dimensions (in.)			Stock No.	Price Each
		Volts	Amps	KVA	H	W	D		
● 1010B-3†	8	0-240/280	10.0	4.85	6.14	6.0	14.59	83F7358	804.77
● 1510-3†	8	0-240/280	15.0	7.26	7.06	6.13	14.56	02F1092	1432.53
● 2510-3†	8	0-240/280	25.0	12.10	8.63	7.63	14.63	79W093	2064.71

480 VOLT, THREE PHASE MODELS

● 1520-3†	8	0-480/560	9.5	9.21	6.13	7.25	15.68	02F1095	1415.17
● 6020-3†	8	0-480/560	35.0	33.90	17.63	13.88	25.38	50F6471	5327.16

(5607)

PORTABLE CORD AND PLUG VARIABLE TRANSFORMERS

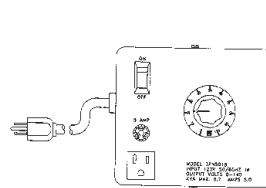


Fig. 1

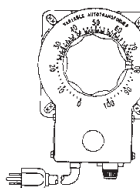


Fig. 2

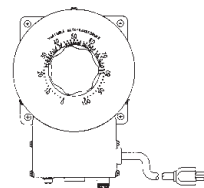


Fig. 3

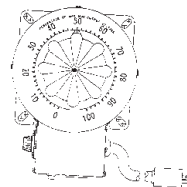


Fig. 4

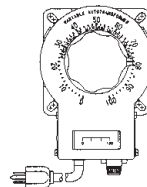


Fig. 5

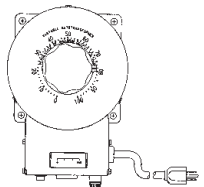


Fig. 6

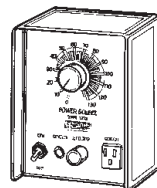


Fig. 7

Cased plug in models feature a ventilated steel case, input line cord and plug, fused NEMA rated output receptacle, and an illuminated on/off switch. They are connected for output voltage increase with a clockwise rotation, and the dials are graduated from 0-100% of the voltage setting. "V" suffix: Voltmeter; "A" suffix: Ammeter. Additional ratings available including motor operated units, (*) available in 60Hz only; go online or call.

Mfg. Part No.	Fig.	Input V	Output		KVA	H x W x D	Stock No.	Price Each
			V	A				
3PN221B	1	120	0-132	2.50	0.23	5.31 x 6.06 x 4.10"	83F2016	275.80
3PN501B	1	120	0-140	5.00	1.20	5.31 x 6.06 x 4.10"	83F2019	299.14
3PN1010B	2	120	0-140	10.00	1.40	5.50 x 4.62 x 6.96"	83F2006	317.84
3PN1020B	2	240	0-280	3.50	0.98	5.50 x 4.62 x 6.96"	83F2009	362.24
3PN1210B*	2	120	0-120	12.00	14.40	5.50 x 4.62 x 6.96"	83F2011	350.07
3PN1510B	3	120	0-140	15.00	2.10	6.00 x 6.24 x 9.35"	83F2012	584.50
3PN1520B	3	240	0-280	9.50	2.66	6.00 x 6.24 x 9.35"	83F2015	555.99
3PN2210B	4	120	0-140	22.00	3.10	6.31 x 7.95 x 10.85"	83F2017	794.67
3PN2520B	4	240	0-280	10.00	2.80	6.31 x 7.95 x 10.85"	83F2018	794.67
3PN1010BV	5	120	0-140	10.00	1.40	5.50 x 4.62 x 6.96"	83F2008	506.38
3PN1010BA	5	120	0-140	10.00	1.40	5.50 x 4.62 x 6.96"	83F2007	530.72
3PN1510BV	6	120	0-140	15.00	2.10	6.00 x 6.24 x 9.35"	83F2014	782.50

ACCESSORIES

Mfg. Part No.	Description	Stock No.	Price Each
3PN-MK	Mounting kit for types 3PN221B, 3PN501B	83F7133	20.88
3PN-SK	Stop kit for types 3PN1000, 3PN1200, 3PN1500	83F7134	20.88

ISOLATED PORTABLE CORD AND PLUG VARIABLE TRANSFORMERS

Units help improve safety because separate primary and secondary windings on same core provide isolation. Limit amount of power transformed if shorted or overloaded. Suffix "V" with voltmeters; "A", ammeters.

Mfg. Part No.	Fig.	Input V	Output		KVA	H x W x D	Stock No.	Price Each
			V	A				
3PNJ201B	2	120	0-140	2.00	...	5.50 x 4.62 x 6.96"	83F2000	498.89
3PNJ401B	2	120	0-140	4.00	...	6.00 x 6.24 x 9.35"	83F2003	784.37

FULLY ENCLOSED PORTABLE VARIABLE TRANSFORMERS

Housing protects controls from abuse and hazards. Has no holes, to prevent entry of foreign objects. Ideal for lab applications. Can also be custom mounted. "VA" suffix: Voltmeter/ammeter.

L221B	7	120	0-132	1.75	0.23	6.28 x 5.00 x 4.25"	07C7946	298.98
L501B	7	120	0-140	4.50	0.63	7.72 x 5.38 x 5.88"	97B3340	375.34
L1010B	7	120	0-140	10.00	1.40	9.41 x 6.50 x 6.25"	07C7947	439.56

(5680)

VARIABLE VOLTAGE CONTROLS

18T SERIES VARIABLE VOLTAGE CONTROLS

PAYNE
ENGINEERING

Fig. 1



Fig. 2



Fig. 3

Features:

- AC Input and Infinitely Variable AC Output
- Replace Variable Transformers
- All Solid-State Construction
- Integral Heat Sink
- Self-Protecting Design for Long Life
- Lightweight (Less than 12 oz.)
- Easy to Wire and Use

Applications:

- Control Electric Heaters
- Hot Wire Cuttings
- Food Preparation

Mfg. part no. 18TBP is a door mounted unit that provides infinitely variable control of a single-phase AC voltage in a compact solid-state package. Variable voltage output controls the thermal output from electric heaters and the speed of single-phase shaded pole motors. Fast-acting "2 millisecond" fuse prevents damage from short-circuits. Integral chassis heat sink eliminates thermal derating. Output voltage: 0-95% of input. Overall efficiency: 99%. Control input: integral manual potentiometer (included). **Mfg. part no. 18TB** is a panel mount variable voltage control unit with control potentiometer that can be remotely mounted up to 100' away. Control input: remotely mounted manual potentiometer (included with 2' cable). **Mfg. part no. 18TP** includes 6' power cord with three-prong plug, lighted On/Off rocker switch, three-prong case-mounted receptacle. Control potentiometer mounted in case. Control input: integral manual potentiometer (included).

120VAC INPUT, 0-118VAC OUTPUT

Mfg. Part No.	Fig.	Max. Amps	Fuse No.	H x W x D	Stock No.	Price Each	
						1-3	1-4
18TBP-1-5*	1	5	49C25-5	2.5 x 2.5 x 2.0"	95F7108	82.65	
18TBP-1-10*	1	10	49C25-10	2.5 x 2.5 x 2.0"	95F7109	98.60	
18TBP-1-15*	1	15	49C25-15	2.5 x 2.5 x 2.0"	92F2707	129.05	
18TB-1-15	2	15	49C25-15	4.0 x 4.0 x 2.0"	95F7101	118.90	
18TB-1-25	2	25	49C25-30	6.3 x 4.0 x 3.5"	95F7102	142.10	
18TP-1-5	3	5	49C25-5	2.5 x 4.7 x 2.5"	16F1147	187.05	
18TP-1-10	3	10	49C25-10	2.5 x 4.7 x 2.5"	16F1148	181.25	
18TP-1-15	3	15	49C25-15	4.0 x 5.12 x 2.74"	16F1149	249.40	

208/220/240VAC INPUT, 0-203/215/235VAC OUTPUT

18TBP-2-5*	1	5	49C25-5	2.5 x 2.5 x 2.0"	95F7097	92.80	
18TBP-2-10*	1	10	49C25-10	2.5 x 2.5 x 2.0"	95F7098	118.90	
18TBP-2-15*	1	15	49C25-15	2.5 x 2.5 x 2.0"	92F2706	129.05	
18TB-2-15	2	15	49C25-15	4.0 x 4.0 x 2.0"	95F7099	140.65	
18TB-2-25	2	25	49C25-30	6.3 x 4.0 x 3.5"	95F7100	143.55	
18TP-2-5	3	5	49C25-5	2.5 x 4.7 x 2.5"	16F1150	198.65	
18TP-2-10	3	10	49C25-10	2.5 x 4.7 x 2.5"	16F1151	213.15	
18TP-2-15	3	15	49C25-15	4.0 x 5.12 x 2.74"	16F1152	212.76	

*Available with variable DC output at 120VAC and 240VAC inputs in 5 and 10 amp sizes; go online or call.
(5773)

18D SERIES SOLID-STATE
AC POWER CONTROLS**PAYNE**
ENGINEERING

18D-1-20I

18D series solid-state, single-phase SCR controls allow smooth, silent infinitely variable AC voltage control. These SCRs are protected against load-fault damage by 2-millisecond fuses, against transient voltages on the power lines by V_{DO} protection. They perform at full-rated operation up to 50°C ambient temperature. Control input: integral 75kohm potentiometer is included with 2' cable. Optically-isolated Option-20 Cards can be used on all **18D series** controls; order separately below. **18D series** controls are also available in 240VAC and 480VAC versions and in models up to 1200A; go online or call.

120VAC INPUT, 4-118VAC OUTPUT, 50/60Hz

Mfg. Part No.	Max. Amps	H x W x D (in.)	Approx. Wt. (lbs.)	Fuse No.	Stock No.	Price Each
18D-1-10I*	10	6.25 x 3.5 x 3.0	2.0	49B25-10	94B7629	130.80
18D-1-20I*	20	6.25 x 3.5 x 3.0	2.0	49B25-20	87K2193	192.93
18D-1-30I*	30	6.25 x 3.5 x 4.1	2.5	49B25-30	50B6660	238.71
18D-1-50	50	12.00 x 5.5 x 6.0	4.5	49A50-50	87K2194	434.91
18D-1-80	80	12.00 x 5.5 x 6.0	5.0	49A50-80	87K2195	469.25

*Mfg. part nos. ending with "I" are built with isolated chassis

OPTION-20 CARDS — CONTROL INPUTS

Mfg. Part No.	Range (mA)	Stock No.	Price Each
			1-4
OPT-20A	1-5	87K2191	106.28
OPT-20C	4-20	87K2192	106.28

(88767)

SERIES 36TBP DC POWER CONTROLS

PAYNE
ENGINEERING

36TBP-1-10



36TBP-1-5

Provide full-wave rectified, infinitely variable DC output voltage from a single-phase AC input. Phase-angle control via power semiconductors varies the AC input voltage, which in turn is full-wave rectified for infinitely variable DC output. Fast-acting fuses protect against load fault damage. Case serves as heat sink to allow continuous operation at nameplate rating to 50°C. MOV overvoltage protection.

120VAC INPUT, 0-107VDC OUTPUT, 50/60Hz

Mfg. Part No.	Max. Amps	H x W x D	Fuse No.	Stock No.	Price Each
					1-3
36TBP-1-5	5	3.25 x 2.65 x 3.4"	49C-25-5	83F7627	127.88
36TBP-1-10	10	3.33 x 4.5 x 3.1"	49C-25-10	83F7628	136.22

240VAC INPUT, 0-215VDC OUTPUT, 50/60Hz

(ALSO FOR 208/220/230VAC INPUT)

36TBP-2-5	5	3.25 x 2.65 x 3.4"	49C-25-5	83F7629	150.12
36TBP-2-10	10	3.33 x 4.5 x 3.1"	49C-25-10	83F7630	194.60

(31882)



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