

Power Transformers

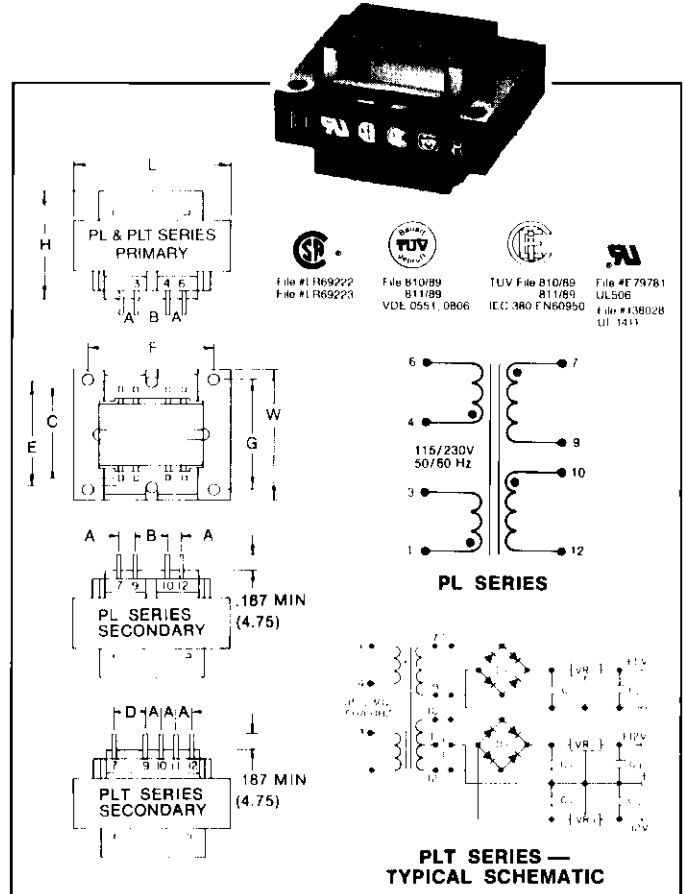
low profile international series power transformers

For PC Board Solid-State Power, Control, and Instrumentation Applications
115/230V 50/60 Hz Primary

- Meets US and International Safety Standards—UL, VDE, IEC, CSA
- 4,000 Volt RMS Hipot Test — Dual Non-concentric Bobbins and Insulating Shroud Provide High Isolation and Reduced Capacitance
- 130°C Insulation System — Insulating Materials Meet UL 94V-0 Flammability Requirements
- Cost Effective Design

PL SERIES — FOR CONTROL AND POWER SUPPLY APPLICATIONS

Part No.	VA (Size)	Secondary			
		Parallel Connected		Series Connected	
		AC Volts	RMS Amps	AC Volts	RMS Amps
PL2.5-10	2.5	5.0	0.5	10.0 CT	0.25
PL5.0-10	5.0	5.0	1.0	10.0 CT	0.5
PL10-10	10.0	5.0	2.0	10.0 CT	1.0
PL20-10	20.0	5.0	4.0	10.0 CT	2.0
PL30-10	30.0	5.0	6.0	10.0 CT	3.0
PL56-10	56.0	5.0	11.2	10.0 CT	5.6
PL2.5-12	2.5	6.3	0.4	12.6 CT	0.2
PL5.0-12	5.0	6.3	0.8	12.6 CT	0.4
PL10-12	10.0	6.3	1.6	12.6 CT	0.8
PL20-12	20.0	6.3	3.2	12.6 CT	1.6
PL30-12	30.0	6.3	4.8	12.6 CT	2.4
PL56-12	56.0	6.3	8.8	12.6 CT	4.4
PL2.5-16	2.5	8.0	0.3	16.0 CT	0.15
PL5.0-16	5.0	8.0	0.62	16.0 CT	0.31
PL10-16	10.0	8.0	1.25	16.0 CT	0.62
PL20-16	20.0	8.0	2.5	16.0 CT	1.25
PL30-16	30.0	8.0	3.8	16.0 CT	1.9
PL56-16	56.0	8.0	7.0	16.0 CT	3.5
PL2.5-20	2.5	10.0	0.24	20.0 CT	0.12
PL5.0-20	5.0	10.0	0.5	20.0 CT	0.25
PL10-20	10.0	10.0	1.0	20.0 CT	0.5
PL20-20	20.0	10.0	2.0	20.0 CT	1.0
PL30-20	30.0	10.0	3.0	20.0 CT	1.5
PL56-20	56.0	10.0	5.6	20.0 CT	2.8
PL2.5-24	2.5	12.0	0.2	24.0 CT	0.1
PL5.0-24	5.0	12.0	0.42	24.0 CT	0.21
PL10-24	10.0	12.0	0.84	24.0 CT	0.42
PL20-24	20.0	12.0	1.66	24.0 CT	0.83
PL30-24	30.0	12.0	2.5	24.0 CT	1.25
PL56-24	56.0	12.0	4.66	24.0 CT	2.33
PL2.5-28	2.5	14.0	0.18	28.0 CT	0.09
PL5.0-28	5.0	14.0	0.36	28.0 CT	0.18
PL10-28	10.0	14.0	0.72	28.0 CT	0.36
PL20-28	20.0	14.0	1.44	28.0 CT	0.72
PL30-28	30.0	14.0	2.12	28.0 CT	1.06
PL56-28	56.0	14.0	4.0	28.0 CT	2.0
PL2.5-36	2.5	18.0	0.14	36.0 CT	0.07
PL5.0-36	5.0	18.0	0.28	36.0 CT	0.14
PL10-36	10.0	18.0	0.56	36.0 CT	0.28
PL20-36	20.0	18.0	1.12	36.0 CT	0.56
PL30-36	30.0	18.0	1.64	36.0 CT	0.82
PL56-36	56.0	18.0	3.12	36.0 CT	1.56



DIMENSIONS Inches (mm)

VA (Size)	L	W	H	A†	B	C	D	Mounting			Mtg. Screws	Pin Square	Lbs. (Kg.)
								E	F	G			
2.5	1.625 (41.3)	1.313 (33.3)	1.125 (28.6)	.200 (5.1)	.250 (6.4)	1.000 (25.4)	—	1.063 (27.0)	—	—	2X #4 (2X M3)	.025 (.635)	.25 (.11)
5.0	1.625 (41.3)	1.313 (33.3)	1.375 (34.9)	.200 (5.1)	.400 (10.2)	1.000 (25.4)	—	1.063 (27.0)	—	—	2X #4 (2X M3)	.025 (.635)	.37 (.17)
10.0	1.875 (47.6)	1.563 (39.7)	1.375 (34.9)	.200 (5.1)	.400 (10.2)	1.140 (29.0)	—	1.250 (31.8)	—	—	2X #4 (2X M3)	.036 (.914)	.53 (.24)
20.0	2.250 (57.1)	1.875 (47.6)	1.625 (41.3)	.400 (10.2)	.400 (10.2)	1.460 (37.1)	.40 (10.2)	1.500 (38.1)	—	—	2X #4 (2X M3)	.036 (.914)	.90 (.41)
30.0	2.625 (66.7)	2.188 (55.6)	1.563 (39.7)	.550 (14.0)	.275 (7.0)	1.680 (42.7)	.55 (14.0)	—	2.19 (55.6)	1.75 (44.5)	4X #6 (4X M3)	.045 (1.14)	1.15 (.52)
56.0	3.000 (76.2)	2.500 (63.5)	1.813 (46.0)	.600 (15.2)	.300 (7.6)	1.900 (48.3)	.60 (15.2)	—	2.50 (63.5)	2.00 (50.8)	4X #6 (4X M5)	.045 (1.14)	1.70 (.77)

† For PLT series secondary only, dimension A is 1/2 of value shown.

PLT SERIES — FOR TRIPLE OUTPUT REGULATED POWER SUPPLIES

For Microprocessor, Logic, and Op Amp Applications

Part No.	VA AC (Size)	DC Output #1		DC Output #2		C ₁	C ₂	VR ₁	VR ₂	VR ₃	D ₁	D ₂
		DC Volts	Amps DC	DC Volts	mA DC							
PLT20-32	20.0	5.0	1.25	±12	150	7,500 μF 20V DC	1,500 μF 50V DC	LM-323K-5	LM-340K-12	LM-320K-12	3N253	3N247
PLT30-32	30.0	5.0	1.75	±12	210	10,000 μF 20V DC	1,500 μF 50V DC	LM-323K-5	LM-340K-12	LM-320K-12	3N253	3N247
PLT56-32	56.0	5.0	2.8	±12	350	15,000 μF 20V DC	2,000 μF 50V DC	LM-323K-5	LM-340K-12	LM-320K-12	MDA-400	3N247

C₂ and C₄, 10,000 μF @ 20V. All VR's are National Semiconductor P/N's. All diodes are Motorola P/N's.