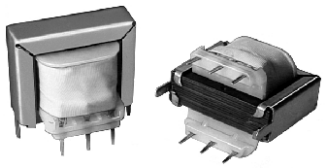
Low Power Through-Hole Transformers, Single Primary, Input 115 V Dual Secondary: PL-11 thru PL-14, Single Secondary: PL-32 thru PL-34



FEATURES

- PC pin mounting
- Provides isolation from power line
- Mounting frames and bobbin standoff are available
- Modification to these standard items are available as specially products
- Laminated construction for low-cost industrial applications, including power supplies, controls and instrumentation
- **PL-11, PL-12, PL-13, PL-14:** Dual secondaries for **series connection** to obtain twice voltage with center tap or **parallel connection** for twice current rating
- **PL-32, PL-33, PL-34:** Single secondary and lower cost construction. Recognized under the Component Program of Underwriters Laboratories, Inc., U.L. Files E71961. For general purpose transformers (U.L. Standard 506).
- Compliant to RoHS Directive 2002/95/EC

Pb-free
RoHS COMPLIANT

ELECTRICAL SPECIFICATIONS

Input Voltage: 115 V, 60 Hz

Output Power Rating:
PL-11 = 0.75 VA
PL-12, PL-32 = 1.50 VA
PL-13, PL-33 = 4.50 VA
PL-14, PL-34 = 10.0 VA

Dielectric Strength: All models are 1500 V, 60 Hz from primary to secondary winding and all windings to core

Temperature Class: Insulation Class A, + 105 °C

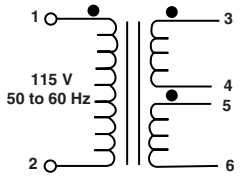
MECHANICAL SPECIFICATIONS

Terminals: Brass, solder coated
Weight: (reference)
PL-11 = 35 g
PL-12, PL-32 = 100 g
PL-13, PL-33 = 160 g
PL-14, PL-34 = 240 g

SCHEMATICS

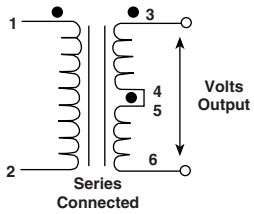
Basic Style

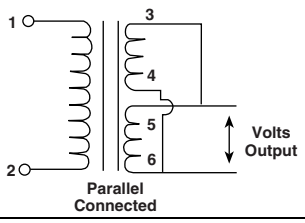
PL-11, PL-12, PL-13, PL-14



Options

PL-11, PL-12, PL-13, PL-14





PL-32, PL-33, PL-34



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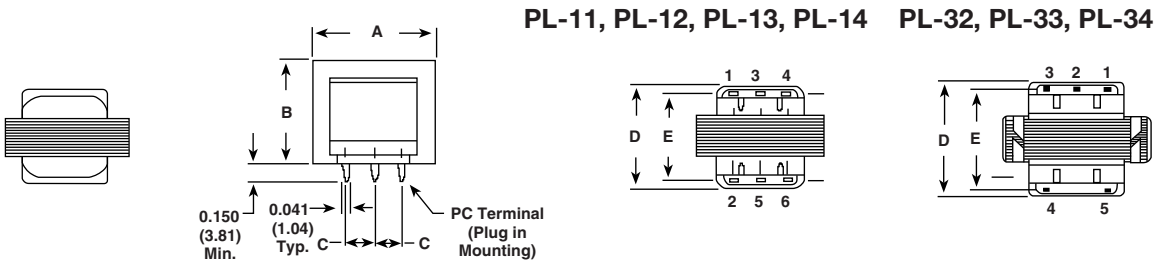
OUTPUT VOLTAGE TABLE

MODEL	DUAL SECONDARY				SINGLE SECONDARY		
	OUTPUT VOLTAGE	OUTPUT CURRENT (mA)			MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT (mA)
	SERIES	PARALLEL	SERIES	PARALLEL			
					PL-32-01 PL-33-01 PL-34-01	6.4 V	200 700 1300
PL-11-01 PL-12-01 PL-13-01 PL-14-01	8 VCT	4 V	94 188 562 940	188 376 1124 1880			
PL-11-02 PL-12-02 PL-13-02 PL-14-02	10 VCT	5 V	75 120 440 1000	150 240 880 2000	PL-32-02 PL-33-02 PL-34-02	10 V	120 450 800
PL-11-03 PL-12-03 PL-13-03 PL-14-03	12.6 VCT	6.3 V	60 100 350 800	120 200 700 1600	PL-32-03 PL-33-03 PL-34-03	12.6 V	100 350 650
PL-11-04 PL-12-04 PL-13-04 PL-14-04	15 VCT	7.5 V	50 100 300 500	100 200 600 1000	PL-32-04 PL-33-04 PL-33-04	15 V	80 300 550
PL-11-05 PL-12-05 PL-13-05 PL-14-05	16 VCT	8 V	47 75 260 640	94 150 520 1280			
PL-11-06 PL-12-06 PL-13-06 PL-14-06	20 VCT	10 V	38 60 220 500	76 120 440 1000	PL-32-05 PL-33-05 PL-34-05	20 V	60 225 400
PL-11-07 PL-12-07 PL-13-07 PL-14-07	24 VCT	12 V	31 50 180 450	62 100 360 900	PL-32-06 PL-33-06 PL-34-06	24 V	50 185 330
PL-11-08 PL-12-08 PL-13-08 PL-14-08	30 VCT	15 V	25 50 150 250	50 100 300 500	PL-32-07 PL-33-07 PL-34-07Z	30 V	40 150 270
PL-11-09 PL-12-09 PL-13-09 PL-14-09	34 VCT	17 V	22 35 125 300	44 70 250 600			
PL-11-10 PL-12-10 PL-13-10 PL-14-10	40 VCT	20 V	19 30 110 250	38 60 220 500			
PL-12-11 PL-13-11 PL-14-11	54 VCT	27 V	28 84 140	56 168 280	PL-32-08 PL-33-08 PL-34-08	54 V	22 80 150
PL-12-12 PL-13-12 PL-14-12	56 VCT	28 V	20 80 180	40 160 360			
PL-12-13 PL-13-13 PL-14-13	76 VCT	38 V	20 60 100	40 120 200	PL-32-09 PL-33-09 PL-34-09	76 V	16 60 110
PL-12-14 PL-13-14 PL-14-14	88 VCT	44 V	15 50 120	30 100 240	PL-32-10 PL-33-10 PL-34-10	88 V	14 50 90
					PL-32-11 PL-33-11 PL-34-11	115 V	10 40 70
PL-12-15 PL-13-15 PL-14-15	120 VCT	60 V	10 35 85	20 70 170			
PL-12-16 PL-13-16 PL-14-16	180 VCT	90 V	6 24 55	12 48 110	PL-32-12 PL-33-12 PL-34-12	180 V	7 25 45
PL-12-17 PL-13-17 PL-14-17	230 VCT	115 V	5 20 40	10 40 80	PL-32-13 PL-33-13 PL-34-13	230 V	5 20 35

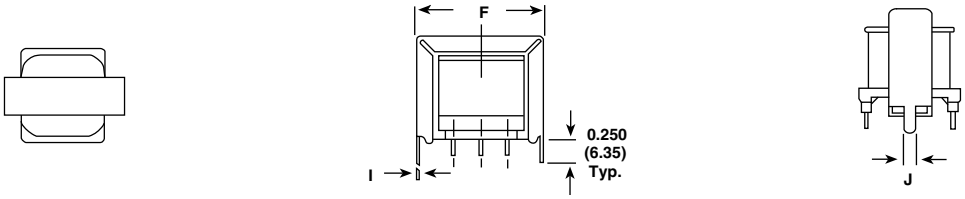
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DIMENSIONAL CONFIGURATIONS (Reference) in inches (millimeters)

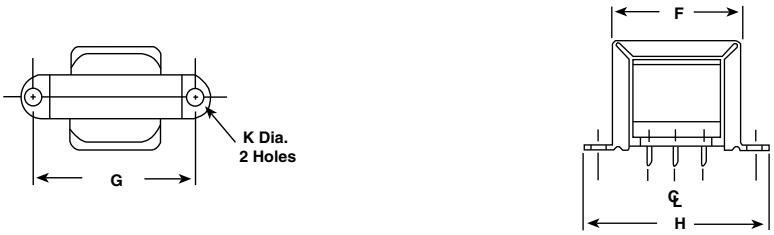
Basic Style



"A" Type of Mounting Frame



"B" Type of Mounting Frame



MODEL	A	B	C	D	E	F	G	H	I	J	K
PL-11	1.04 (26.42)	0.860 (21.84)	0.250 (6.35)	0.920 (23.37)	0.720 (18.29)	1.07 (27.18)	1.38 (35.05)	1.69 (42.93)	0.018 (0.457)	0.125 (3.18)	0.125 (3.18)
PL-12 PL-32	1.43 (36.32)	1.20 (30.48)	0.312 (7.92)	1.19 (30.23)	1.0 (25.40)	1.50 (38.10)	1.75 (44.45)	2.12 (53.85)	0.031 (0.787)	0.125 (3.18)	0.188 (4.78)
PL-13 PL-33	1.68 (42.67)	1.38 (35.05)	0.400 (10.16)	1.30 (33.02)	1.10 (27.94)	1.75 (44.45)	2.0 (50.80)	2.44 (61.98)	0.031 (0.787)	0.125 (3.18)	0.188 (4.78)
PL-14 PL-34	1.93 (49.02)	1.64 (41.66)	0.400 (10.16)	1.48 (37.59)	1.30 (33.02)	2.0 (50.80)	2.38 (60.45)	2.88 (73.15)	0.031 (0.787)	0.188 (4.78)	0.188 (4.78)

MARKING

- Dale
- Mode
- Date code

ORDERING INFORMATION

PL-11	01	A	S	EB	e2
MODEL	OUTPUT VOLTAGE AND CURRENT	MOUNTING FRAME (If not required, leave blank)	BOBBIN STANDOFF (If not required, leave blank)	PACKAGE CODE	JEDEC LEAD (Pb)-FREE STANDARD

GLOBAL PART NUMBER

P	L	1	1	0	1	A	S	E	B
MODEL				OUTPUT VOLTAGE AND CURRENT		MOUNTING FRAME (If not required, leave blank)	BOBBIN STANDOFF (If not required, leave blank)	PACKAGE CODE	

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