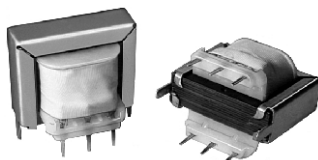


Low Power Transformers

Single Primary, Input 115 Volts

Dual Secondary: PL-11 thru -14, Single Secondary: PL-32 thru -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).



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 grams

PL-12, PL-32 = 100 grams

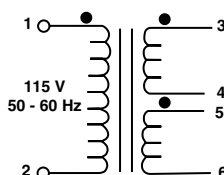
PL-13, PL-33 = 160 grams

PL-14, PL-34 = 240 grams

SCHEMATICS

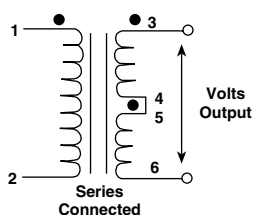
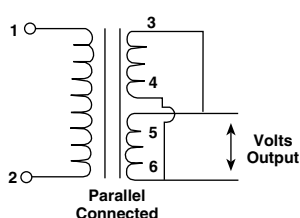
Basic Style

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

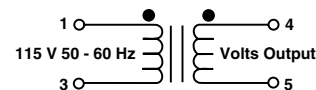


Options

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



PL-32, PL-33, PL-34

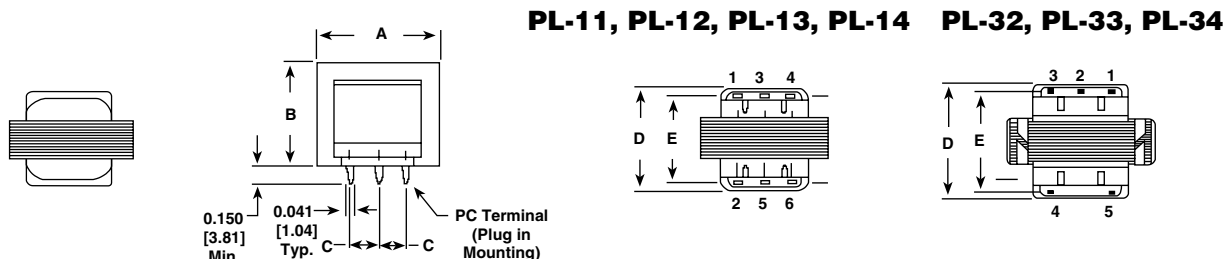




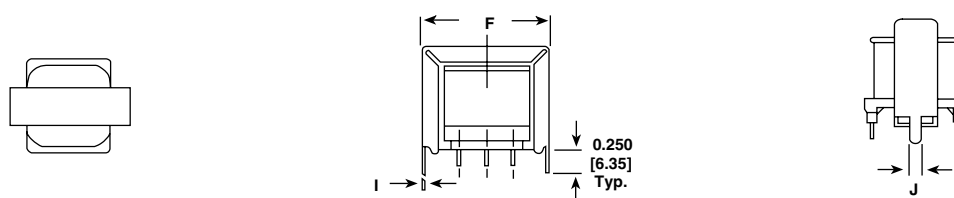
OUTPUT VOLTAGE TABLE							
MODEL	DUAL SECONDARY				SINGLE SECONDARY		
	OUTPUT VOLTAGE		OUTPUT CURRENT (mA)		MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT (mA)
	SERIES	PARALLEL	SERIES	PARALLEL			
					PL-32-01 PL-33-01 PL-34-01	6.4 V	200 700 1300
PL-11-01 PL-12-01 PL-13-01 PL-14-01	8 VCT	4 V	94 188 562 940	188 376 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

DIMENSIONAL CONFIGURATIONS (Reference) [Numbers in brackets indicate millimeters]

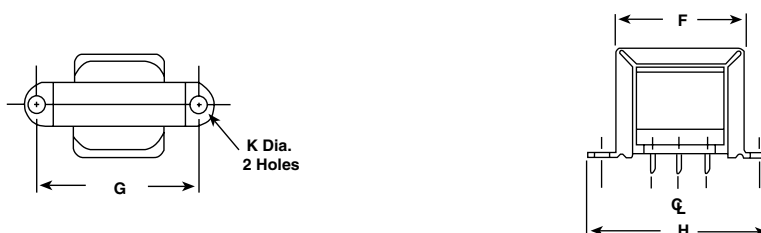
Basic Style



“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





Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Vishay"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay's terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.