

Power Transformers

TUV Cert. No.: R72103639

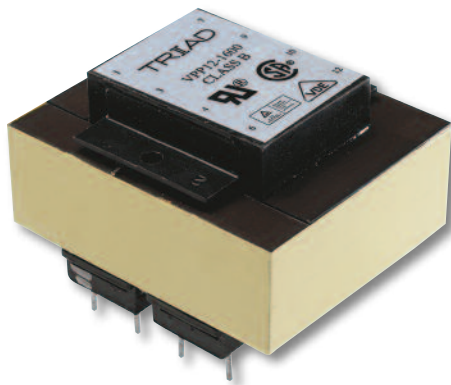
Class B

UL File: E53148

CSA File: 221330



PC Mount: World Series™



:: Description

Triad PC mount World Series transformers incorporate a dual bobbin construction with an insulating shroud, both made of a high temperature material that exceeds UL flammability requirements. These units are designed with very high isolation between the primary and secondary, and also, between each winding and the core. Since the dual bobbin construction effectively reduces capacitance, electrostatic shielding is not required. PC mount transformers are available with ratings from 2.5 VA 56.0 VA and have dimensionally accurate pin placement for through hole PC board mounting. All World Series transformers meet U.S. and International standards including CSA, IEC, TUV and UL requirements, and therefore have universal application.

:: Specifications

Primary: 115/230 V, 50/60 Hz | VA Ranges: 2.5 to 56.0

:: World Series

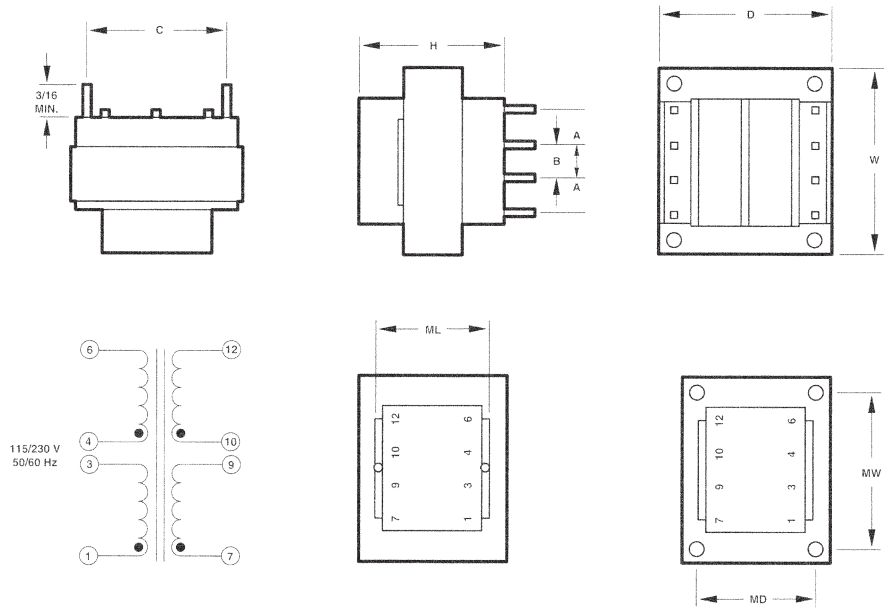
Section	Type No.	VA	Secondary		Dimensions						Pin Dim.	Mounting			WT Lbs.
			Series	Parallel	H	W	D	A	B	C		ML	MD	MW	
A	VPP10-250*	2.5	10.0V CT @ 0.25A	5.0V @ 0.5A	1 1/8	1 1/8	1 1/8	.200	.250	1.000	0.025 Sq.	1 1/16	•	•	0.25
	VPP10-500*	5.0	10.0V CT @ 0.5A	5.0V @ 1.0A	1 1/8	1 1/8	1 1/8	.200	.400	1.000	0.025 Sq.	1 1/16	•	•	0.37
	VPP10-1000*	10.0	10.0V CT @ 1.0A	5.0V @ 2.0A	1 1/8	1 1/8	1 1/8	.200	.400	1.140	0.036 Sq.	1 1/4	•	•	0.53
	VPP10-2000*	20.0	10.0V CT @ 2.0A	5.0V @ 4.0A	1 1/8	2 1/8	1 1/8	.400	.400	1.460	0.036 Sq.	1 1/2	•	•	0.90
	VPP10-3000	30.0	10.0V CT @ 3.0A	5.0V @ 6.0A	1 1/8	2 1/8	2 1/8	.550	.275	1.680	0.045 Sq.	•	1 1/4	2 1/16	1.15
	VPP10-5600	56.0	10.0V CT @ 5.6A	5.0V @ 11.2A	1 1/8	3	2 1/8	.600	.300	1.900	0.045 Sq.	•	2	2 1/2	1.70
B	VPP12-200*	2.5	12.6V CT @ 0.2A	6.3V @ 0.4A	1 1/8	1 1/8	1 1/8	.200	.250	1.000	0.025 Sq.	1 1/16	•	•	0.25
	VPP12-400*	5.0	12.6V CT @ 0.4A	6.3V @ 0.8A	1 1/8	1 1/8	1 1/8	.200	.400	1.000	0.025 Sq.	1 1/16	•	•	0.37
	VPP12-800*	10.0	12.6V CT @ 0.8A	6.3V @ 1.6A	1 1/8	1 1/8	1 1/8	.200	.400	1.140	0.036 Sq.	1 1/4	•	•	0.53
	VPP12-1600*	20.0	12.6V CT @ 1.6A	6.3V @ 3.2A	1 1/8	2 1/8	1 1/8	.400	.400	1.460	0.036 Sq.	1 1/2	•	•	0.90
	VPP12-2400*	30.0	12.6V CT @ 2.4A	6.3V @ 4.8A	1 1/8	2 1/8	2 1/8	.550	.275	1.680	0.045 Sq.	•	1 1/4	2 1/16	1.15
	VPP12-4400	56.0	12.6V CT @ 4.4A	6.3V @ 8.8A	1 1/8	3	2 1/8	.600	.300	1.900	0.045 Sq.	•	2	2 1/2	1.70
C	VPP16-150*	2.5	16.0V CT @ 0.15A	8.0V @ 0.3A	1 1/8	1 1/8	1 1/8	.200	.250	1.000	0.025 Sq.	1 1/16	•	•	0.25
	VPP16-310*	5.0	16.0V CT @ 0.31A	8.0V @ 0.62A	1 1/8	1 1/8	1 1/8	.200	.400	1.000	0.025 Sq.	1 1/16	•	•	0.37
	VPP16-620*	10.0	16.0V CT @ 0.62A	8.0V @ 1.25A	1 1/8	1 1/8	1 1/8	.200	.400	1.140	0.036 Sq.	1 1/4	•	•	0.53
	VPP16-1250*	20.0	16.0V CT @ 1.25A	8.0V @ 2.5A	1 1/8	2 1/8	1 1/8	.400	.400	1.460	0.036 Sq.	1 1/2	•	•	0.90
	VPP16-1900*	30.0	16.0V CT @ 1.9A	8.0V @ 3.8A	1 1/8	2 1/8	2 1/8	.550	.275	1.680	0.045 Sq.	•	1 1/4	2 1/16	1.15
	VPP16-3500	56.0	16.0V CT @ 3.5A	8.0V @ 7.0A	1 1/8	3	2 1/8	.600	.300	1.900	0.045 Sq.	•	2	2 1/2	1.70
D	VPP20-120*	2.5	20.0V CT @ 0.12A	10.0V @ 0.24A	1 1/8	1 1/8	1 1/8	.200	.250	1.000	0.025 Sq.	1 1/16	•	•	0.25
	VPP20-250*	5.0	20.0V CT @ 0.25A	10.0V @ 0.5A	1 1/8	1 1/8	1 1/8	.200	.400	1.000	0.025 Sq.	1 1/16	•	•	0.37
	VPP20-500*	10.0	20.0V CT @ 0.5A	10.0V @ 1.0A	1 1/8	1 1/8	1 1/8	.200	.400	1.140	0.036 Sq.	1 1/4	•	•	0.53
	VPP20-1000*	20.0	20.0V CT @ 1.0A	10.0V @ 2.0A	1 1/8	2 1/8	1 1/8	.400	.400	1.460	0.036 Sq.	1 1/2	•	•	0.90
	VPP20-1500*	30.0	20.0V CT @ 1.5A	10.0V @ 3.0A	1 1/8	2 1/8	2 1/8	.550	.275	1.680	0.045 Sq.	•	1 1/4	2 1/16	1.15
	VPP20-2800	56.0	20.0V CT @ 2.8A	10.0V @ 5.6A	1 1/8	3	2 1/8	.600	.300	1.900	0.045 Sq.	•	2	2 1/2	1.70
E	VPP24-100*	2.5	24.0V CT @ 0.1A	12.0V @ 0.2A	1 1/8	1 1/8	1 1/8	.200	.250	1.000	0.025 Sq.	1 1/16	•	•	0.25
	VPP24-210*	5.0	24.0V CT @ 0.21A	12.0V @ 0.42A	1 1/8	1 1/8	1 1/8	.200	.400	1.000	0.025 Sq.	1 1/16	•	•	0.37
	VPP24-420*	10.0	24.0V CT @ 0.42A	12.0V @ 0.84A	1 1/8	1 1/8	1 1/8	.200	.400	1.140	0.036 Sq.	1 1/4	•	•	0.53
	VPP24-830*	20.0	24.0V CT @ 0.83A	12.0V @ 1.66A	1 1/8	2 1/8	1 1/8	.400	.400	1.460	0.036 Sq.	1 1/2	•	•	0.90
	VPP24-1250*	30.0	24.0V CT @ 1.25A	12.0V @ 2.50A	1 1/8	2 1/8	2 1/8	.550	.275	1.680	0.045 Sq.	•	1 1/4	2 1/16	1.15
	VPP24-2330*	56.0	24.0V CT @ 2.33A	12.0V @ 4.66A	1 1/8	3	2 1/8	.600	.300	1.900	0.045 Sq.	•	2	2 1/2	1.70
F	VPP28-090*	2.5	28.0V CT @ 0.09A	14.0V @ 0.18A	1 1/8	1 1/8	1 1/8	.200	.250	1.000	0.025 Sq.	1 1/16	•	•	0.25
	VPP28-180*	5.0	28.0V CT @ 0.18A	14.0V @ 0.36A	1 1/8	1 1/8	1 1/8	.200	.400	1.000	0.025 Sq.	1 1/16	•	•	0.37
	VPP28-360*	10.0	28.0V CT @ 0.36A	14.0V @ 0.72A	1 1/8	1 1/8	1 1/8	.200	.400	1.140	0.036 Sq.	1 1/4	•	•	0.53
	VPP28-720*	20.0	28.0V CT @ 0.72A	14.0V @ 1.44A	1 1/8	2 1/8	1 1/8	.400	.400	1.460	0.036 Sq.	1 1/2	•	•	0.90
	VPP28-1060*	30.0	28.0V CT @ 1.06A	14.0V @ 2.12A	1 1/8	2 1/8	2 1/8	.550	.275	1.680	0.045 Sq.	•	1 1/4	2 1/16	1.15
	VPP28-2000*	56.0	28.0V CT @ 2.0A	14.0V @ 4.0A	1 1/8	3	2 1/8	.600	.300	1.900	0.045 Sq.	•	2	2 1/2	1.70
G	VPP36-070*	2.5	36.0V CT @ 0.07A	18.0V @ 0.14A	1 1/8	1 1/8	1 1/8	.200	.250	1.000	0.025 Sq.	1 1/16	•	•	0.25
	VPP36-140*	5.0	36.0V CT @ 0.14A	18.0V @ 0.28A	1 1/8	1 1/8	1 1/8	.200	.400	1.000	0.025 Sq.	1 1/16	•	•	0.37
	VPP36-280*	10.0	36.0V CT @ 0.28A	18.0V @ 0.56A	1 1/8	1 1/8	1 1/8	.200	.400	1.140	0.036 Sq.	1 1/4	•	•	0.53
	VPP36-560*	20.0	36.0V CT @ 0.56A	18.0V @ 1.12A	1 1/8	2 1/8	1 1/8	.400	.400	1.460	0.036 Sq.	1 1/2	•	•	0.90
	VPP36-820*	30.0	36.0V CT @ 0.82A	18.0V @ 1.64A	1 1/8	2 1/8	2 1/8	.550	.275	1.680	0.045 Sq.	•	1 1/4	2 1/16	1.15
	VPP36-1560*	56.0	36.0V CT @ 1.56A	18.0V @ 3.12A	1 1/8	3	2 1/8	.600	.300	1.900	0.045 Sq.	•	2	2 1/2	1.70

CT = Center Tap * Note: Class 2/3 UL File: E65390

:: Outline Dimensions

Technical Notes

1. Hi-pot tested at 4,000 VRMS.
2. Both primary and secondary coils may be connected as either series or parallel, but both must be used simultaneously.



The Sales, Service and Technical professionals at Triad Magnetics have over 100 years combined experience in the magnetics industry. This translates to solutions you can count on for your power, switching and filtering applications.