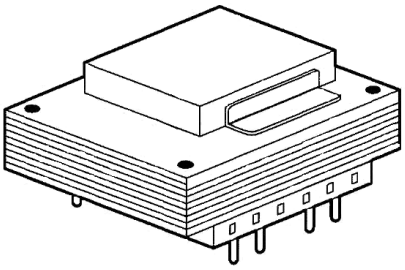
TRIAD
MAGNETICS

POWER TRANSFORMERS

80034 Rev. E

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 rating from 2.5 VA to 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, TÜV and UL requirements, and, therefore, have universal application.



UL:
File E65390 UL 5085 Sec 1and 3,Class 2/3
*Items identified are General Purpose transformers under File E53148

CSA:.
FILE 221330, C22.2 NO.66,
GENERAL PURPOSE

TuV:
File 30782684.004(IEC 60950-1: 2006+A11)
General Purpose Transformer

WORLD SERIES CT = CENTER TAP

TYPE NO.	VA	SECONDARY		DIMENSIONS						PIN DIM.	Mounting			WT Lbs.
		SERIES	PARALLEL	H	W	D	A	B	C		ML	MD	MW	
VPP10-250	2.5	10.0V CT @ 0.25A	5.0V @ 0.5A	1-1/8	1-5/8	1-5/16	.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	1-3/8	1-5/8	1-5/16	.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	1-3/8	1-7/8	1-9/16	.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	1-5/8	2-1/4	1-7/8	.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	1-9/16	2-5/8	2-3/16	.550	.275	1.680	0.045 SQ	-	1-3/4	2-3/16	1.15
VPP10-5600*	56.0	10.0V CT @ 5.6A	5.0V @ 11.2A	1-13/16	3	2-1/2	.600	.300	1.900	0.045 SQ	-	2	2-1/2	1.70
VPP12-200	2.5	12.6V CT @ 0.2A	6.3V @ 0.4A	1-1/8	1-5/8	1-5/16	.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	1-3/8	1-5/8	1-5/16	.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	1-3/8	1-7/8	1-9/16	.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	1-5/8	2-1/4	1-7/8	.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	1-9/16	2-5/8	2-3/16	.550	.275	1.680	0.045 SQ	-	1-3/4	2-3/16	1.15
VPP12-4400*	56.0	12.6V CT @ 4.4A	6.3V @ 8.8A	1-13/16	3	2-1/2	.600	.300	1.900	0.045 SQ	-	2	2-1/2	1.70
VPP16-150	2.5	16.0V CT @ 0.15A	8.0V @ 0.3A	1-1/8	1-5/8	1-5/16	.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	1-3/8	1-5/8	1-5/16	.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	1-3/8	1-7/8	1-9/16	.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	1-5/8	2-1/4	1-7/8	.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	1-9/16	2-5/8	2-3/16	.550	.275	1.680	0.045 SQ	-	1-3/4	2-3/16	1.15
VPP16-3500*	56.0	16.0V CT @ 3.5A	8.0V @ 7.0A	1-13/16	3	2-1/2	.600	.300	1.900	0.045 SQ	-	2	2-1/2	1.70
VPP20-120	2.5	20.0V CT @ 0.12A	10.0V @ 0.24A	1-1/8	1-5/8	1-5/16	.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	1-3/8	1-5/8	1-5/16	.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	1-3/8	1-7/8	1-9/16	.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	1-5/8	2-1/4	1-7/8	.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	1-9/16	2-5/8	2-3/16	.550	.275	1.680	0.045 SQ	-	1-3/4	2-3/16	1.15
VPP20-2800*	56.0	20.0V CT @ 2.8A	10.0V @ 5.6A	1-13/16	3	2-1/2	.600	.300	1.900	0.045 SQ	-	2	2-1/2	1.70
VPP24-100	2.5	24.0V CT @ 0.1A	12.0V @ 0.2A	1-1/8	1-5/8	1-5/16	.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	1-3/8	1-5/8	1-5/16	.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	1-3/8	1-7/8	1-9/16	.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	1-5/8	2-1/4	1-7/8	.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	1-9/16	2-5/8	2-3/16	.550	.275	1.680	0.045 SQ	-	1-3/4	2-3/16	1.15
VPP24-2330	56.0	24.0V CT @ 2.33A	12.0V @ 4.66A	1-13/16	3	2-1/2	.600	.300	1.900	0.045 SQ	-	2	2-1/2	1.70
VPP28-090	2.5	28.0V CT @ 0.09A	14.0V @ 0.18A	1-1/8	1-5/8	1-5/16	.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	1-3/8	1-5/8	1-5/16	.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	1-3/8	1-7/8	1-9/16	.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	1-5/8	2-1/4	1-7/8	.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	1-9/16	2-5/8	2-3/16	.550	.275	1.680	0.045 SQ	-	1-3/4	2-3/16	1.15
VPP28-2000	56.0	28.0V CT @ 2.0A	14.0V @ 4.0A	1-13/16	3	2-1/2	.600	.300	1.900	0.045 SQ	-	2	2-1/2	1.70
VPP36-070	2.5	36.0V CT @ 0.07A	18.0V @ 0.14A	1-1/8	1-5/8	1-5/16	.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	1-3/8	1-5/8	1-5/16	.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	1-3/8	1-7/8	1-9/16	.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	1-5/8	2-1/4	1-7/8	.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	1-9/16	2-5/8	2-3/16	.550	.275	1.680	0.045 SQ	-	1-3/4	2-3/16	1.15
VPP36-1560	56.0	36.0V CT @ 1.56A	18.0V @ 3.12A	1-13/16	3	2-1/2	.600	.300	1.900	0.045 SQ	-	2	2-1/2	1.70

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INPUT	TIE	APPLY TO	SECONDARY (POLARITY)			
			SERIES TIE	SERIES OUTPUT	PARALLEL TIE	PARALLEL OUTPUT
115V	3 TO 6 & 1 TO 4	3 TO 1	10 TO 9	12 TO 7	10 TO 7 & 9 TO 12	7 TO 9
230V	4 TO 3	6 TO 1				

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
3. "." REFERS TO POLARITY