THREE FLANGE DUAL PRIMARY 5.0VA PC BOARD POWER TRANSFORMER

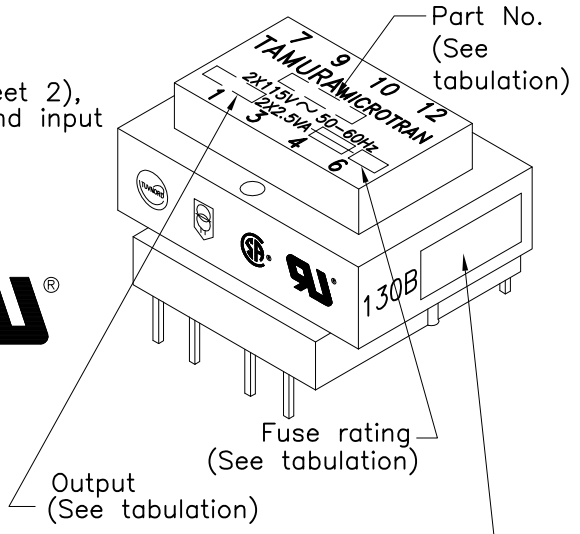
MODEL NUMBER PL5.0-XX-130B

RoHS COMPLIANT

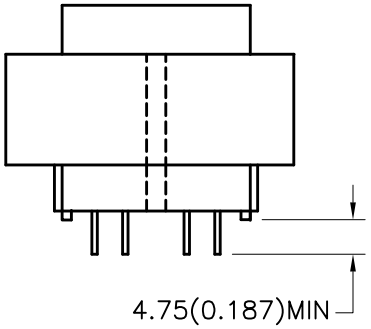
A. Electrical Specifications (@ 25°C)
1. Maximum Power; 5.0VA
2. Primary Voltage and Frequency; 115/230VAC 50/60Hz
3. Secondary RMS Rating: See Table A
4. Voltage Regulation; 20% TYP @ full load to no load
5. Temperature Rise; 30°C TYP (45°C MAX)
6. Insulation Resistance;
100MΩ MIN @ 500VDC, Pri to Sec, Pri to Core, Sec to Core
7. Dielectric Withstand; 3750Vrms 1 minute @ Pri to Sec
1500Vrms 1 minute @ Pri to Core
1500Vrms 1 minute @ Sec to Core

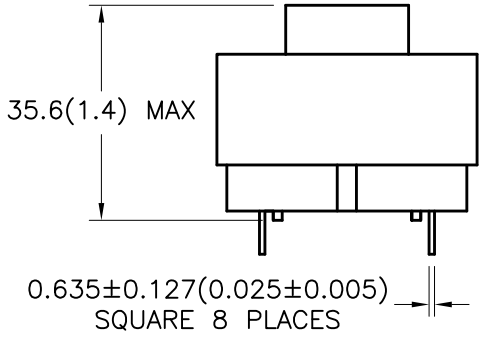
B. Marking; TAMURA, MICROTRAN, part number (see sheet 2), date code, country of origin, terminal numbers and input and output ratings (see sheet 2)

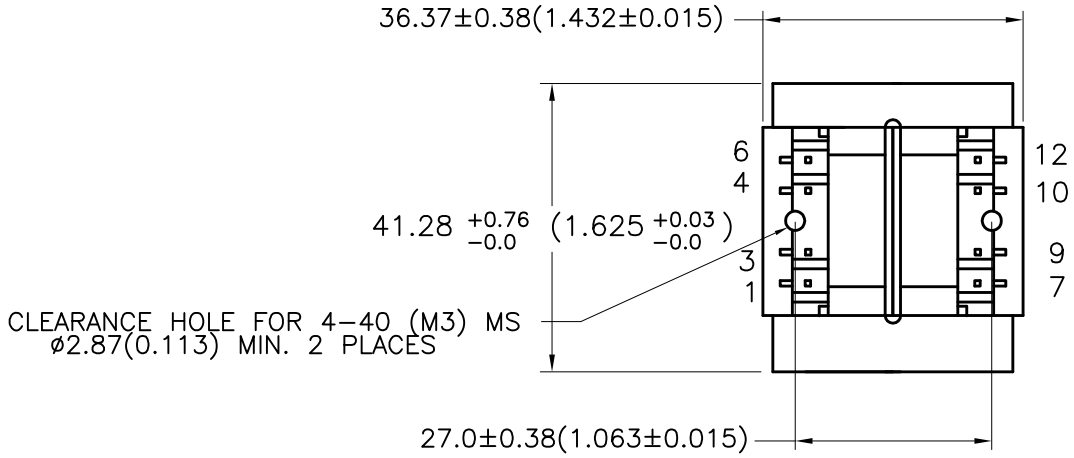
C. Safety:
Conforms to construction requirement of:
UL1411
UL506
UL1446
EN61558-1, -2-6
CSA No. 66-1956
Safety cerificate file reference:
UL E138028, E79781, E92957
CSA 069222
TUV (P.S.) 20650818



D. Mechanical Specifications;







TOLERANCES (mm)
≦ 4 ± 0.2
4 ≦ 20 ± 0.3
20 ≦ 50 ± 0.4

NOTE: BOARD WASHING IS NOT RECOMMENDED FOR THESE PARTS

REV. Status
REVISION - 10/22/99 TS
REVISION A CHANGED F SEE PG. 2 11/22/99 TS
REVISION B CHANGED HI-POT, SAFETY AND SCHEMATIC. 05/21/01 MP
REVISION C REV'D HI-POT 09/20/04 MP
REVISION D ADDED RoHS & UPDATED LABEL 01/26/06 MP
REVISION E CHG TUV FILE # WAS 810/89 (EN60950 & VDE 0551). CLARIFIED PIN OUTS 04/19/07 YS
REVISION F UPDATED SAFETY 11/15/07 YS

PREPARED BY: C. Poppe
ENGINEER: Mathi Pitchai
SAFETY ENGINEER: B. Oconnel
APPROVED: Peter Brune

DWG CONTROL NO. P-A1-12225
ACAD\MXFMR\A1122251.DWG
REV F

POWER TRANSFORMER

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

TAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(951) 699-1270 FAX 9516769482

PL5.0-XX-130B
MODEL SPECIFICATION

DIM: mm(In) SCL: 1/1 SH: 1 OF 2

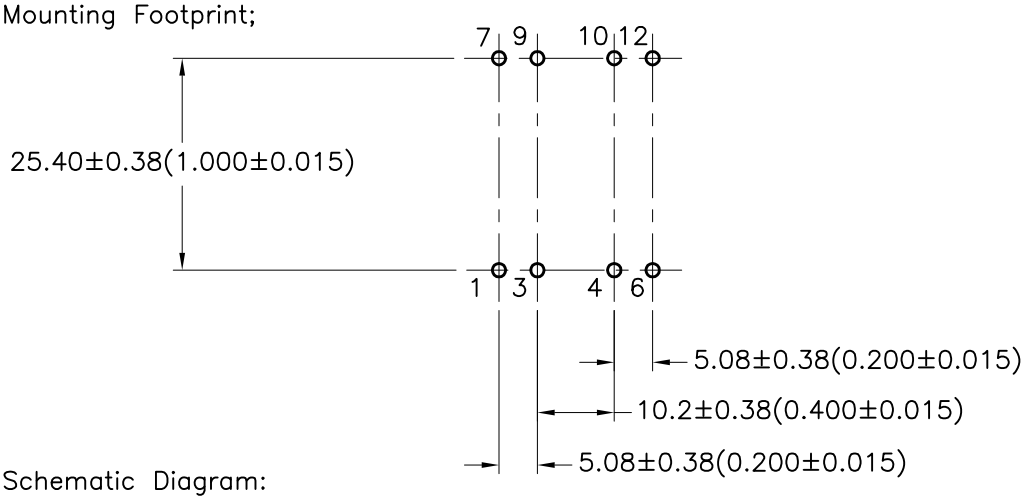
TAMURA

REV. Status

SEE SHEET 1
11/15/07 YS

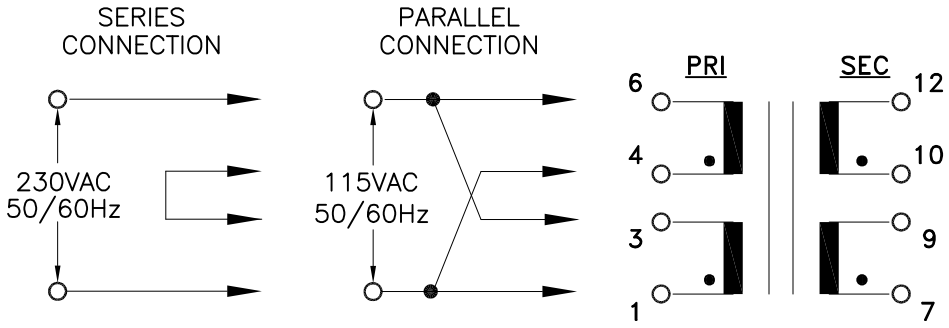
MODEL NUMBER
PL5.0-XX-130B

E. Mounting Footprint;

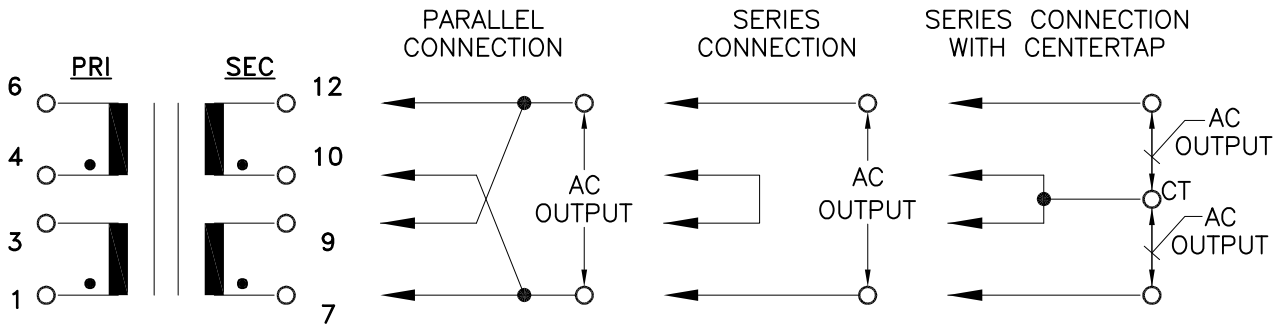


F. Schematic Diagram:

PRIMARY INPUT CONNECTIONS



SECONDARY OUTPUT CONNECTIONS



G. Table A

T= Time lag

PART NO.	PARALLEL		SERIES		SERIES WITH CT		OUTPUT	SECONDARY FUSE REQ'D EACH WINDING
	AC VOLTS	RMS AMPS	AC VOLTS	RMS AMPS	AC VOLTS	RMS AMPS		
PL5.0-10-130B	5.0	1.00	10.0	0.50	5.0-CT-5.0	0.50	2X5.0V	T 0.50A
PL5.0-12-130B	6.3	0.80	12.6	0.40	6.3-CT-6.3	0.40	2X6.3V	T 0.40A
PL5.0-16-130B	8.0	0.62	16.0	0.31	8.0-CT-8.0	0.31	2X8.0V	T 0.315A
PL5.0-20-130B	10.0	0.50	20.0	0.25	10.0-CT-10.0	0.25	2X10.0V	T 0.25A
PL5.0-24-130B	12.0	0.42	24.0	0.21	12.0-CT-12.0	0.21	2X12.0V	T 0.25A
PL5.0-28-130B	14.0	0.36	28.0	0.18	14.0-CT-14.0	0.18	2X14.0V	T 0.20A
PL5.0-36-130B	18.0	0.28	36.0	0.14	18.0-CT-18.0	0.14	2X18.0V	T 0.16A

PREPARED BY: C. Poppe

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ACAD\MXFMR\A1122252.DWG

REV F

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PL5.0-XX-130B
MODEL SPECIFICATION

DIM: mm(In) | SCL: 1/1 | SH: 2 OF 2