

REV. Status

REVISION –
10/22/99 TSREVISION A
CHANGED F
SEE PG. 2
11/22/99 TSREVISION B
CHANGED
HI–POT, SAFETY
AND SCHEMATIC.
05/21/01 MPREVISION C
REV'D HI–POT
09/20/04 MPREVISION D
ADDED RoHS &
UPDATED LABEL
01/26/06 MPREVISION E
CHG TUV FILE #
WAS 810/89
(EN60950 & VDE
0551). CLARIFIED
PIN OUTS
04/19/07 YSREVISION F
UPDATED SAFETY
11/15/07 YSREVISION G
UPDATED SAFETY
10/19/12 MPREVISION H
SAFETY NOTES
ADDED
03/20/13 MP

TOLERANCES (mm)

 $\leq 4 \pm 0.2$
 $4 \leq 20 \pm 0.3$
 $20 \leq 50 \pm 0.4$

PREPARED BY:

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ENGINEER:

Mathi Pitchai

SAFETY ENGINEER

B. O'Connell

APPROVED:

Peter Brune

THREE FLANGE DUAL PRIMARY 5.0VA PC BOARD POWER TRANSFORMER

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(normal op. cond.); 30°C TYP (45°C MAX)
6. A 10% Input Voltage change will proportionally affect transformer sec voltage. The max. allowed wdg temp under abnormal condition is 155°C
7. Insulation Resistance:
100MΩ MIN @ 500VDC, Pri to Sec, Pri to Core, Sec to Core
8. Dielectric Withstand: 3750Vrms 1 minute @ Pri to Sec
1500Vrms 1 minute @ Pri to Core, Sec to Core

B. Marking; includes input and output ratings (per sheet 2)

C. Safety:

Conforms to construction requirement of:

UL5085–1, –2; CSA No. 66.1, 66.2

(from Datecode 1244 and onwards).

UL506, UL1411

UL1446 (CLASS 130(B))

EN61558–1, –2–6

Safety certificate file reference:

UL E138028, E79781, E92957

CSA 175561

TUV (P.S.) 4478013415698

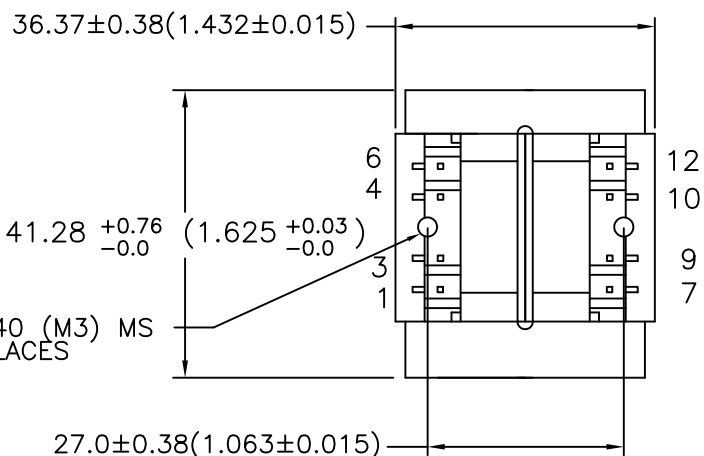
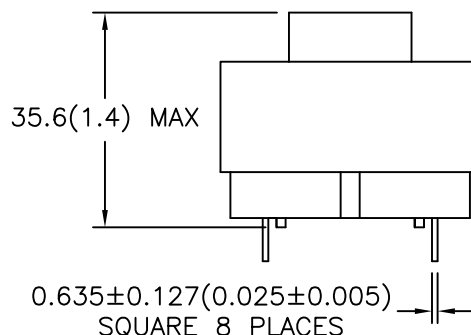
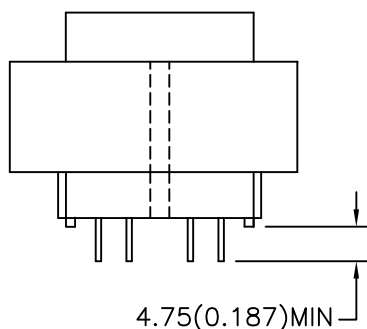
Non short–circuit proof safety isolating transformer.

Intended for mounting on PCBs and for building into end use–equipment. Fuse rating

Not intended for series/parallel connection with other transformers. (See tabulation)

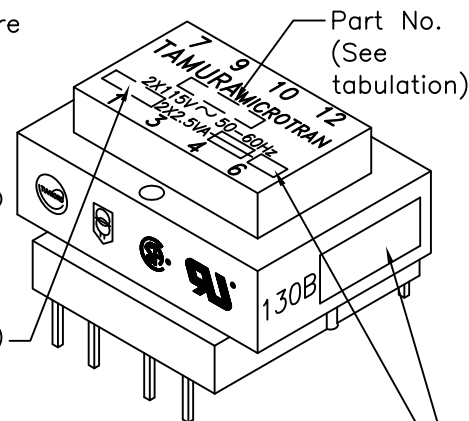
Mounting hardware may reduce spacing in end use application.

D. Mechanical Specifications;

RoHS
COMPLIANT

MODEL NUMBER

PL5.0–XX–130B



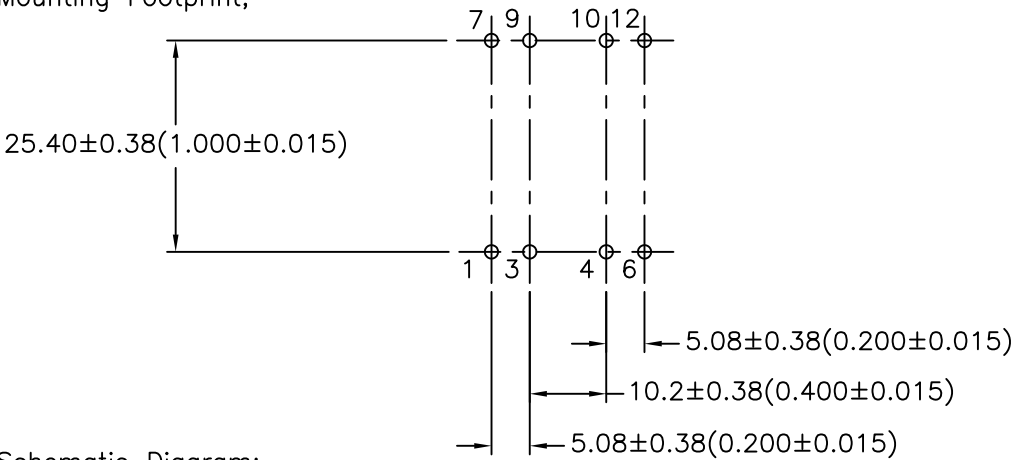
Date code and country of origin

NOTE: BOARD WASHING IS NOT RECOMMENDED FOR THESE PARTS

DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P–A1–12225	H	POWER TRANSFORMER	PL5.0–XX–130B
CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		TAMURA CORPORATION OF AMERICA 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699–1270 FAX 7607400536	
DIM: mm[In]		SCL: 1/1	SH: 1 OF 2

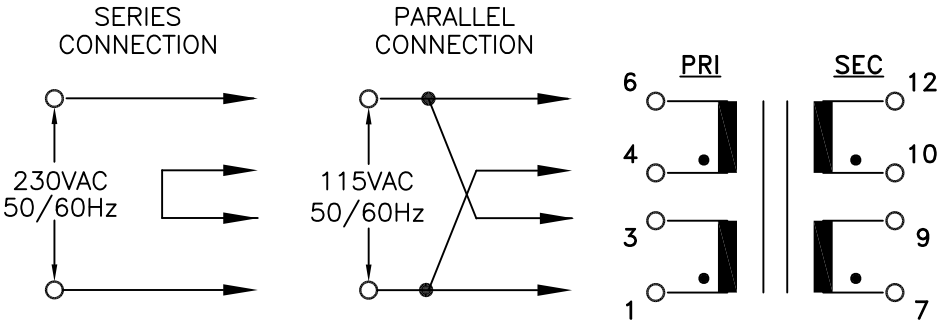
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E. Mounting Footprint;

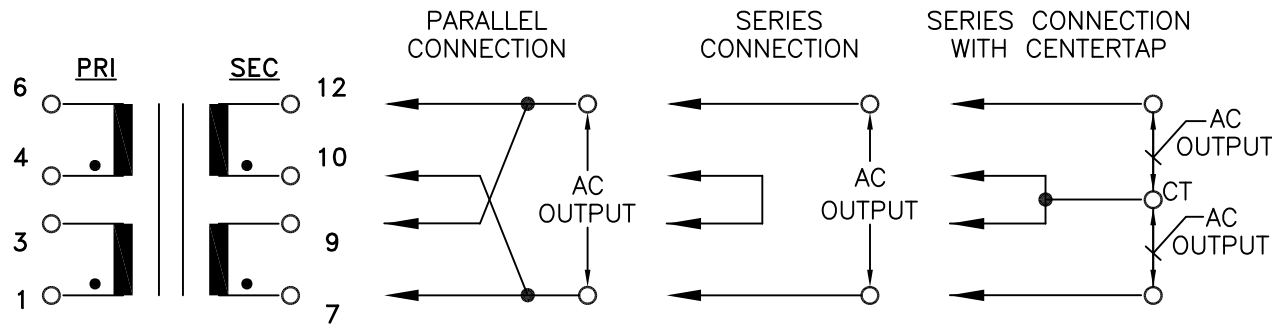


F. Schematic Diagram:

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		
DRAWING CONTROL NO. P-A1-12225		REV H	MODEL DESCRIPTION POWER TRANSFORMER				MODEL SPECIFICATION PL5.0-XX-130B			
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