

REV. Status

THREE FLANGE DUAL PRIMARY 5.0VA PC BOARD POWER TRANSFORMER

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 MP

A. Electrical Specifications (@ 25°C)

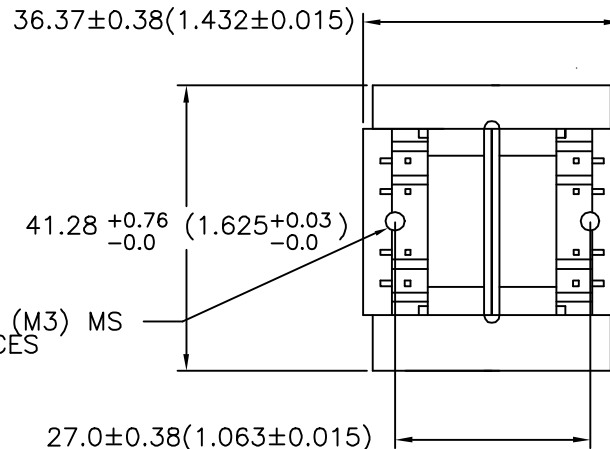
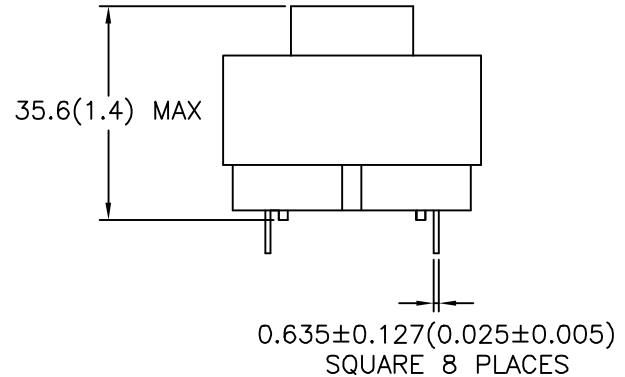
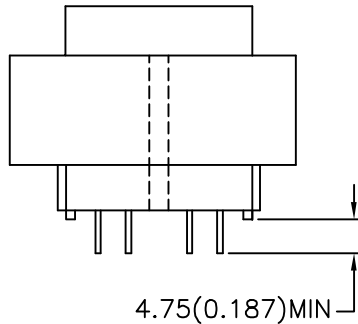
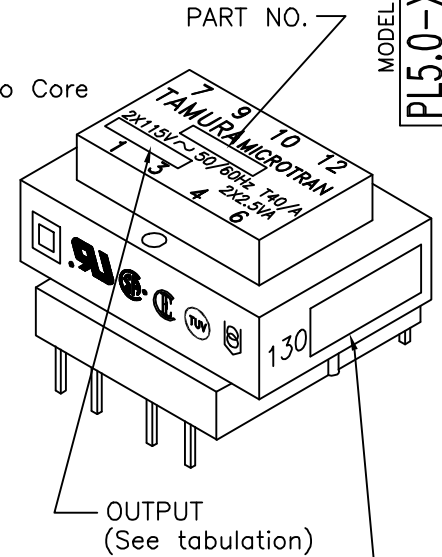
1. Maximum Power; 5.0VA
2. Input Voltage and Frequency; 115/230V 50/60Hz
3. Voltage Regulation; 20% TYP @ full load to no load
4. Temperature Rise; 30°C TYP (45°C MAX allowed)
5. Insulation Resistance;
100MΩ MIN @ 500VDC, Pri to Sec, Pri to Core, Sec to Core
6. Hi-Pot; 4000Vrms 1 minute @ Pri to Sec
1500Vrms 1 minute @ Pri to Core
1500Vrms 1 minute @ Sec to Core

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

C. Safety:

CSA File Nos. LR69222 and LR69223
UL 1411 File No. E138028 Construction only
UL 506, General Purpose, File No. E79781.
Insulation Class B (130°C) File No. E92957
TUV File 810/89 (EN60950, and VDE 0551)
94V-0 Flammability

D. Mechanical Specifications;

MODEL NUMBER
PL5.0-XX-130B

CLEARANCE HOLE FOR 4-40 (M3) MS
Ø2.87(0.113) MIN. 2 PLACES

TOLERANCES (mm)

≤ 4 ± 0.2
4 ≤ 20 ± 0.3
20 ≤ 50 ± 0.4

PREPARED BY:

D. Rund

ENGINEER:

M. Pitchai

QUALITY CONTROL:

D. Kelley

APPROVED:

J. Coleman

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

REV
B

POWER
TRANSFORMER

TAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482

PL5.0-XX-130B

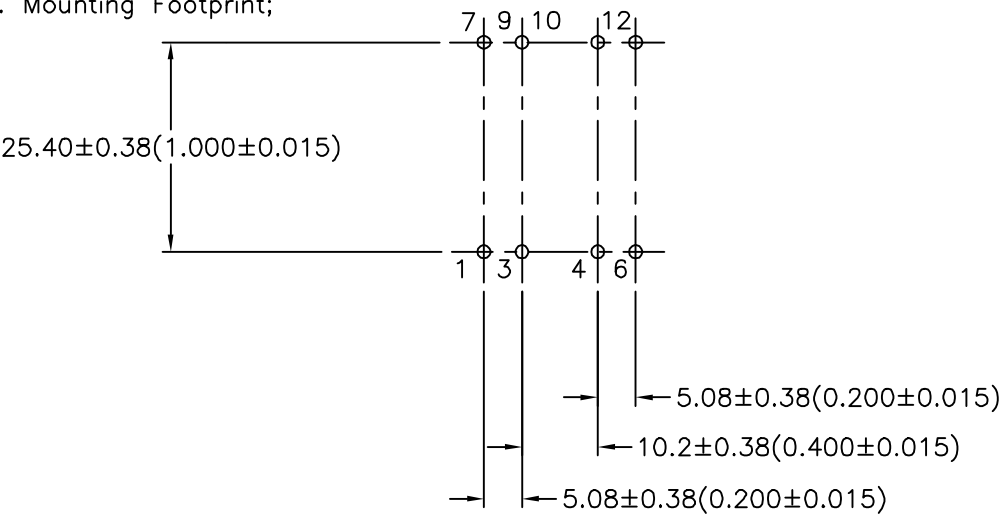
MODEL SPECIFICATION

DIM: mm(in) SCL: None SH: 1 OF 2

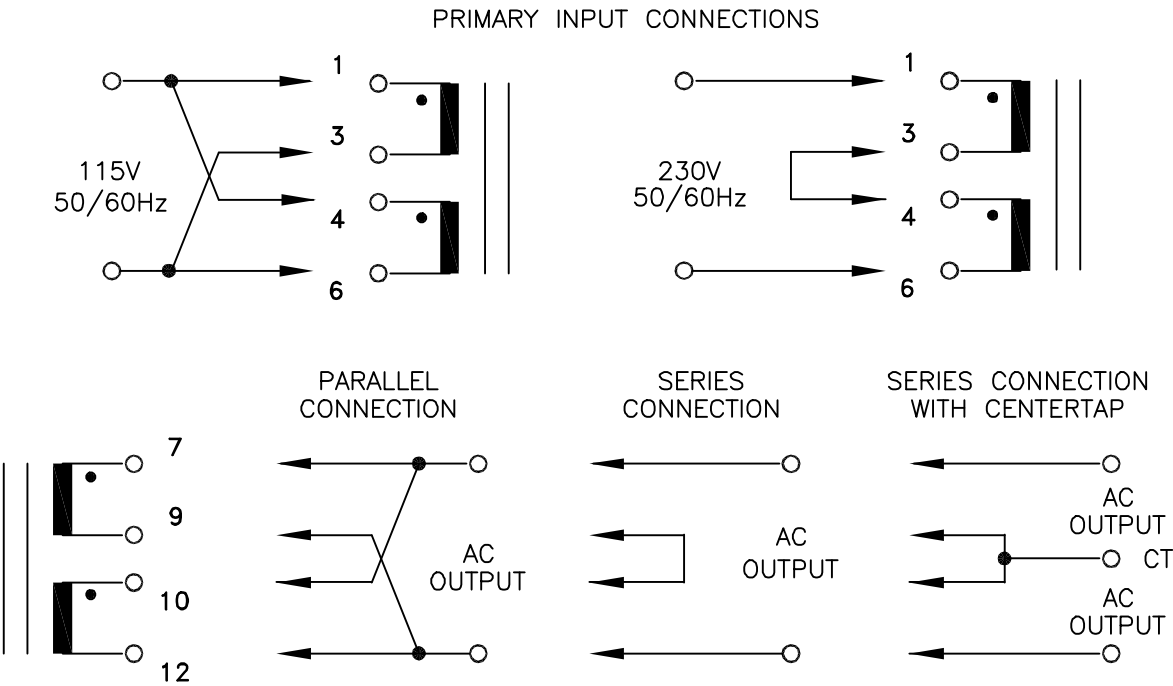
PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.

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

E. Mounting Footprint;



F. Schematic Diagram:



TCA NUMBER	PART NO.	PARALLEL CONNECTION		SERIES CONNECTION		OUTPUT
		AC VOLTS	RMS AMPS	AC VOLTS	RMS AMPS	
P-A1-12225-01	PL5.0-10-130B	5.0	1.0	10.0CT	0.5	2X5.0V
P-A1-12225-02	PL5.0-12-130B	6.3	0.8	12.6CT	0.4	2X6.3V
P-A1-12225-03	PL5.0-16-130B	8.0	0.62	16.0CT	0.31	2X8.0V
P-A1-12225-04	PL5.0-20-130B	10.0	0.5	20.0CT	0.25	2X10.0V
P-A1-12225-05	PL5.0-24-130B	12.0	0.42	24.0CT	0.21	2X12.0V
P-A1-12225-06	PL5.0-28-130B	14.0	0.36	28.0CT	0.18	2X14.0V
P-A1-12225-07	PL5.0-36-130B	18.0	0.28	36.0CT	0.14	2X18.0V

TOLERANCES (mm)
≤ 4 ± 0.2
4 ≤ 20 ± 0.3
20 ≤ 50 ± 0.4
PREPARED BY:
D. Rund
ENGINEER:
M. Pitchai
QUALITY CONTROL:
D. Kelley
APPROVED:
J. Coleman

DWG CONTROL NO. P-A1-12225 ACAD\MXFMR\A1122251.DWG	REV B	POWER TRANSFORMER
TAMURA CORPORATION OF AMERICA 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624 (909) 699-1270 FAX 9096769482		

PL5.0-XX-130B
MODEL SPECIFICATION
DIM: mm(In) SCL: 1/1 SH: 2 OF 2

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.

MODEL NUMBER
PL5.0-XX-130B