THREE FLANGE DUAL PRIMARY 20VA PC BOARD POWER TRANSFORMER

MODEL NUMBER PL20-XX-130B

REV. Status
REVISION – 02/04/03 YS
REVISION A ADDED RoHS & UPDATED LABELS. DELETED CSA# LR69223 02/27/06 MP
REVISION B CHG TUV FILE # WAS 810/89 (EN60950 & VDE 0551). CLARIFIED PIN OUTS 04/19/07 YS
REVISION C UPDATE LOGO'S TO STD IED. Dielectric Withstand WAS Hi-Pot 3500. 4-30-08 EB
REVISION D MOUNTING NOTE ADDED 09/28/11 MP
REVISION E UPDATE SAFETY 09/29/11 MP
REVISION F SAFETY NOTES ADDED 03/20/13 MP

A. Electrical Specifications (@ 25°C)

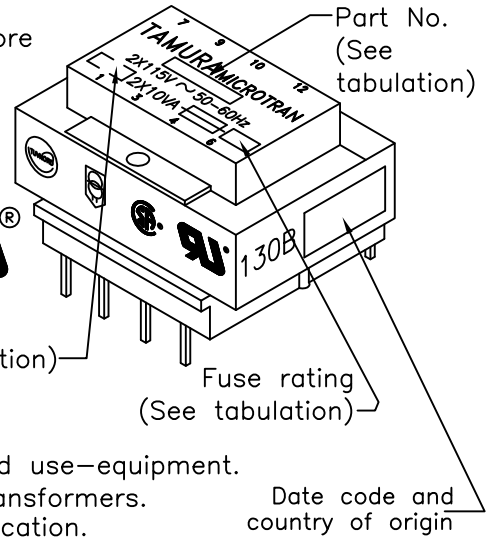
1. Maximum Power: 20VA
2. Primary Voltage and Frequency: 115/230VAC 50/60Hz
3. Secondary RMS Rating: See Table A
4. Voltage Regulation: 18% TYP @ full load to no load
5. Temperature Rise(normal op. condition): 45°C TYP (60° MAX)
6. A 10% Input Voltage change will proportionally affect transformer sec 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:

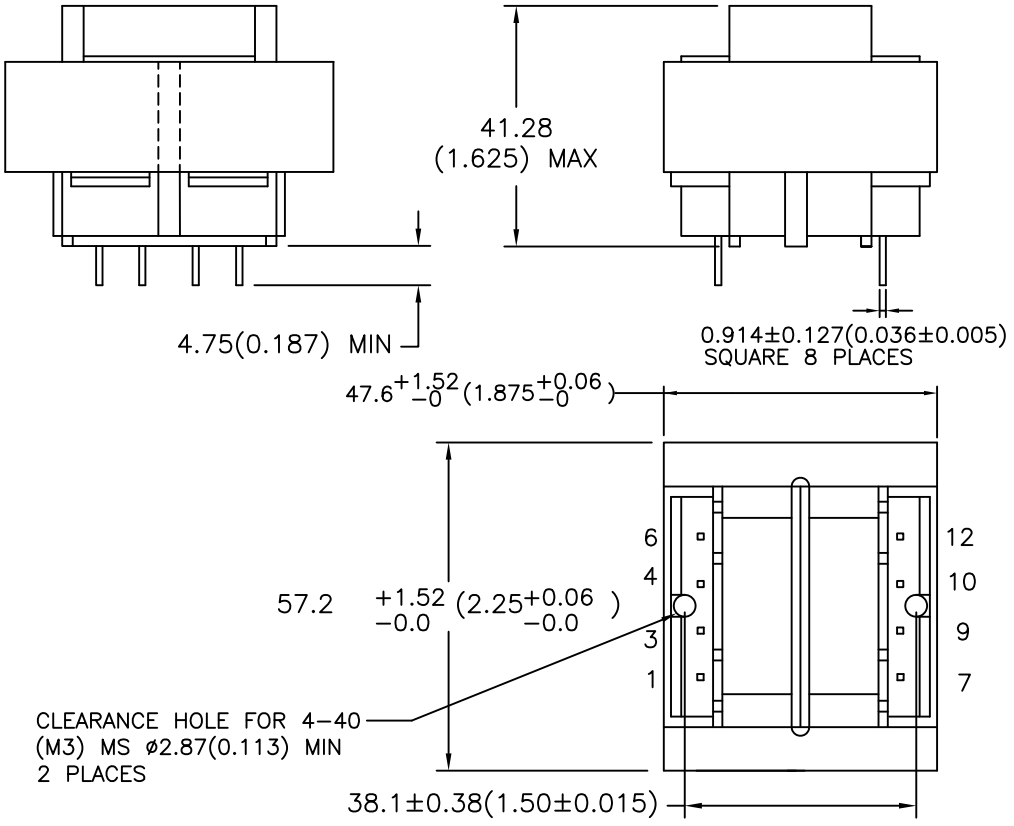
Conforms to construction requirement of:
UL5085-1, -2; CSA No. 66.1, 66.2
(from Datecode 1143 and onwards).
UL506, UL1411
UL1446 (CLASS 130(B))
EN61558-1, -2-6

Safety cerificate 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.
Not intended for series/parallel connection with other transformers.
Mounting hardware may reduce spacing in end use application.

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

PREPARED BY: M. PITCHAI	DRAWING CONTROL NO. P-A1-12260 ACAD/MXFMR/A1122601.DWG	REV F	MODEL DESCRIPTION POWER TRANSFORMER	MODEL SPECIFICATION PL20-XX-130B
ENGINEER: M. PITCHAI				
SAFETY ENGINEER B. OCONNELL	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
APPROVED: P. BRUNE	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.			

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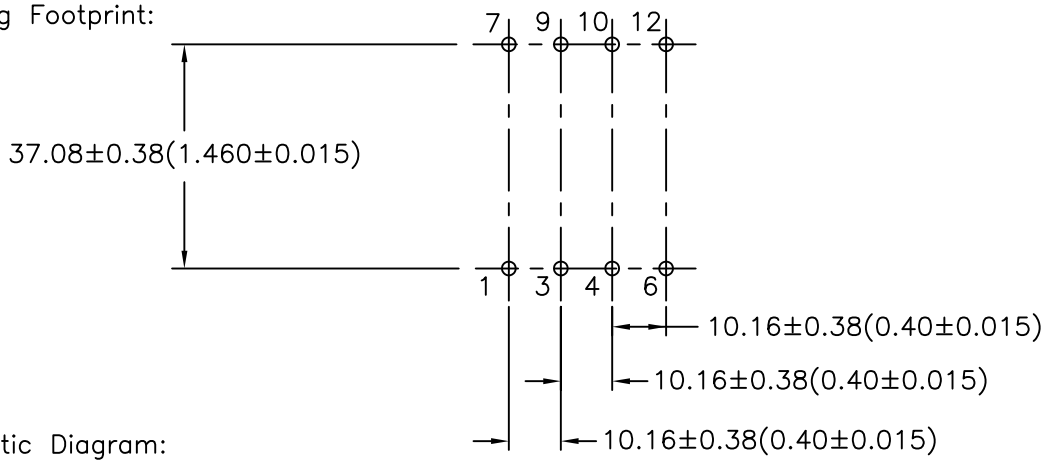
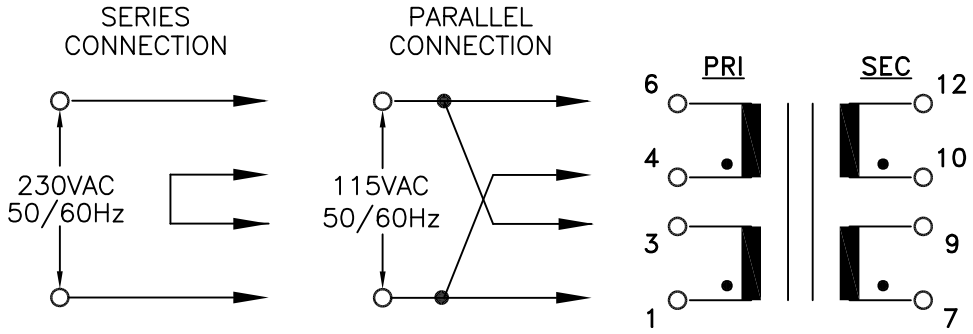
E. Mounting Footprint:

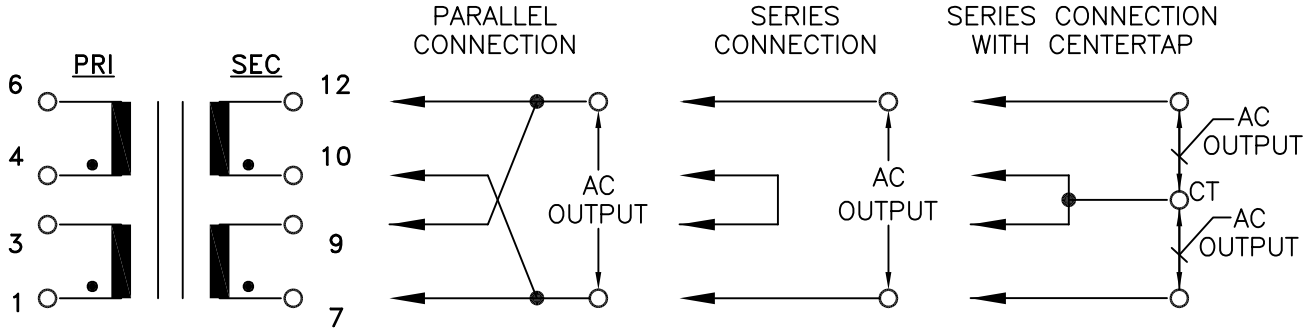


F. Schematic Diagram:

PRIMARY INPUT CONNECTIONS



SECONDARY OUTPUT CONNECTIONS



G. Table A:

T= Time lag

PART NO.	PARALLEL		SERIES		SERIES WITH CT		OUTPUT	SECONDARY FUSE REQ'D EA. WINDING
	AC VOLTS	RMS AMPS	AC VOLTS	RMS AMPS	AC VOLTS	RMS AMPS		
PL20–10–130B	5.0	4.00	10.0	2.00	5.0–CT–5.0	2.00	2X5.0V	T 2.00A
PL20–12–130B	6.3	3.20	12.6	1.60	6.3–CT–6.3	1.60	2X6.3V	T 1.60A
PL20–16–130B	8.0	2.50	16.0	1.25	8.0–CT–8.0	1.25	2X8.0V	T 1.25A
PL20–20–130B	10.0	2.00	20.0	1.00	10.0–CT–10.0	1.00	2X10.0V	T 1.00A
PL20–24–130B	12.0	1.66	24.0	0.83	12.0–CT–12.0	0.83	2X12.0V	T 1.00A
PL20–28–130B	14.0	1.44	28.0	0.72	14.0–CT–14.0	0.72	2X14.0V	T 0.80A
PL20–36–130B	18.0	1.12	36.0	0.56	18.0–CT–18.0	0.56	2X18.0V	T 0.63A

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SAFETY ENGINEER: B. O'CONNELL
APPROVED: P. BRUNE

DRAWING CONTROL NO. P–A1–12260 ACAD/MXFMR/A1122602.DWG
REV F
MODEL DESCRIPTION: POWER TRANSFORMER
MODEL SPECIFICATION: PL20–XX–130B

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