

## A. Electrical Specifications (@ 25°C)

1. Maximum Power: 56VA
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. cond.): 65°C TYP (75°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 1143 and onwards).

UL506, UL1411

EN61558-1, -2-6

UL1446 (CLASS 130 (B))

Safety certificate file reference:

UL E138028, E79781, E92957

CSA 175561

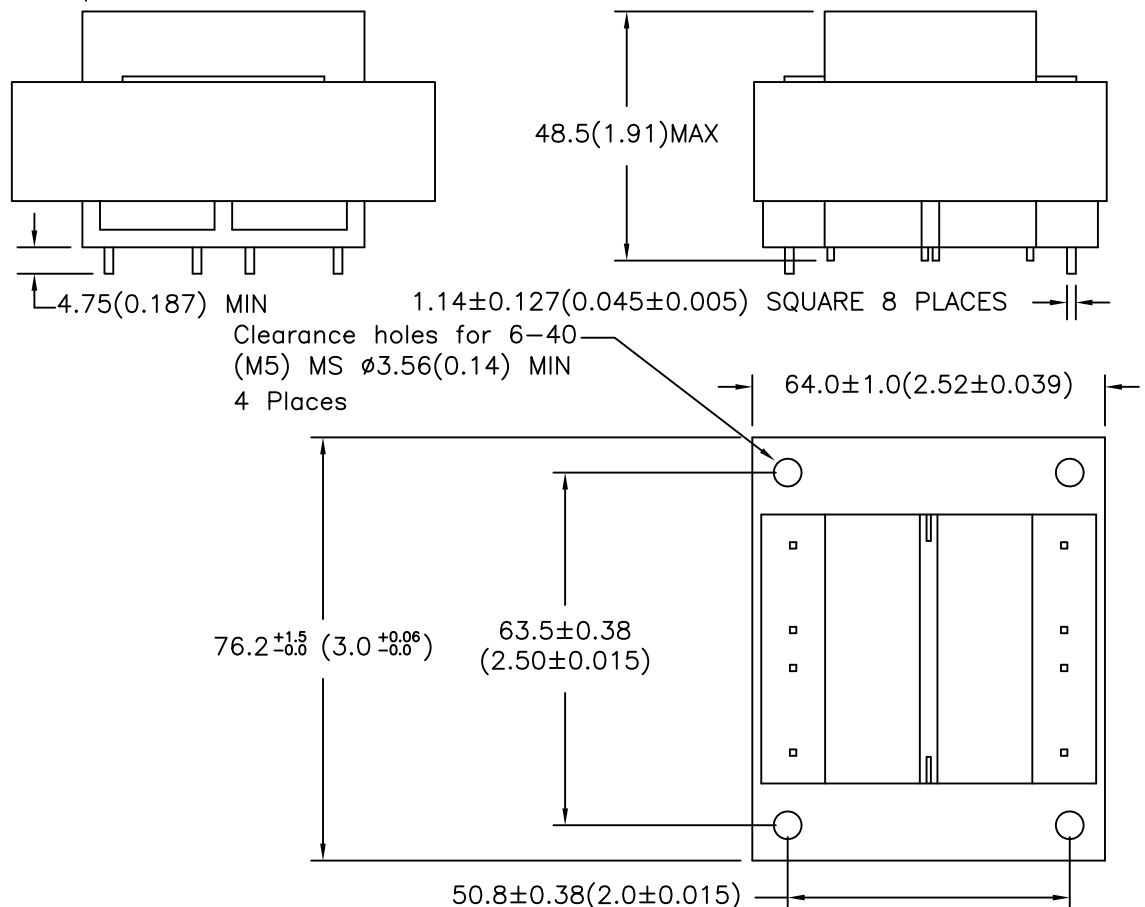
TUV (P.S.) 4478013415698

Non short-circuit proof safety isolating transformer.

Intended for mounting on PCBs and for building into end use-equipment.

Not intended for series/parallel connection with other transformers.

## D. Mechanical Specifications:



NOTE: BOARD WASHING IS NOT RECOMMENDED FOR THESE PARTS.

REV. Status

REVISION -  
06/11/03 YS

REVISION A  
ADDED RoHS &  
UPDATED LABELS  
03/01/06 MP

REVISION B  
CHG TUV FILE #  
WAS 810/89  
(EN60950 &  
VDE 0551).  
CLARIFIED PIN  
OUTS  
04/23/07 YS

REVISION C  
UPDATE LOGO'S  
TO STD IED.  
DIELECTRIC  
WITHSTAND WAS  
HI-POT 3500.  
12/3/08 EB

REVISION D  
UPDATE LOGO'S  
12/3/09 EM

REVISION E  
UPDATE SAFETY  
09/29/11 MP

REVISION F  
SAFETY NOTES  
ADDED  
03/20/13 MP

| TOLERANCES (mm) |       |
|-----------------|-------|
| ≤ 4             | ± 0.2 |
| 4 ≤ 20          | ± 0.3 |
| 20 ≤ 50         | ± 0.4 |

PREPARED BY:  
M. PITCHAI

ENGINEER:  
M. PITCHAI

SAFETY ENGINEER  
B.O'CONNELL

APPROVED:  
P. BRUNE

DWG CONTROL NO.  
P-A1-12262  
ACAD\MXFMR\A1122621.DWG

REV  
F

POWER  
TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029  
(951) 699-1270 FAX 7607400536

**PL56-XX-130B**

MODEL SPECIFICATION

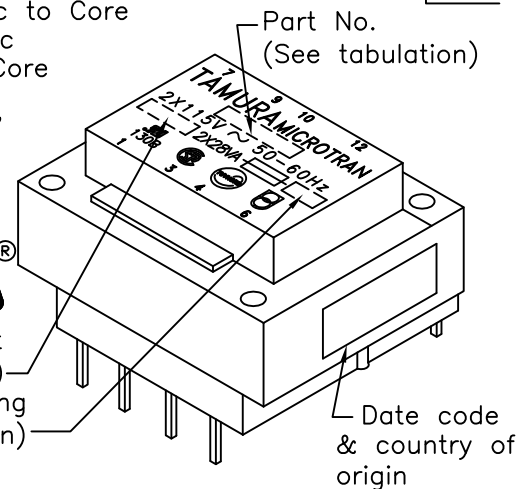
DIM: mm(in) SCL: 1/1 SH: 1 OF 2

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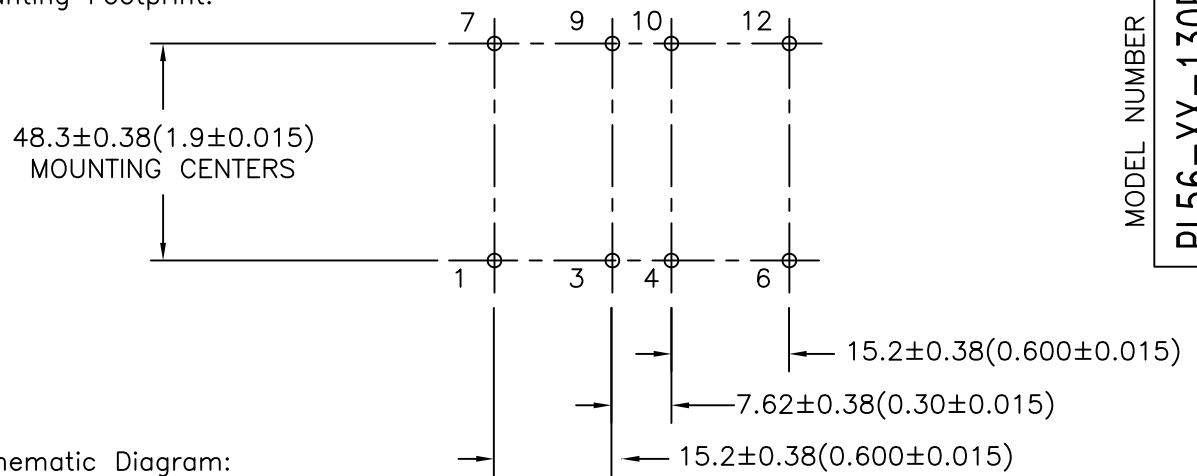
**RoHS**  
COMPLIANT

MODEL NUMBER

PL56-XX-130B

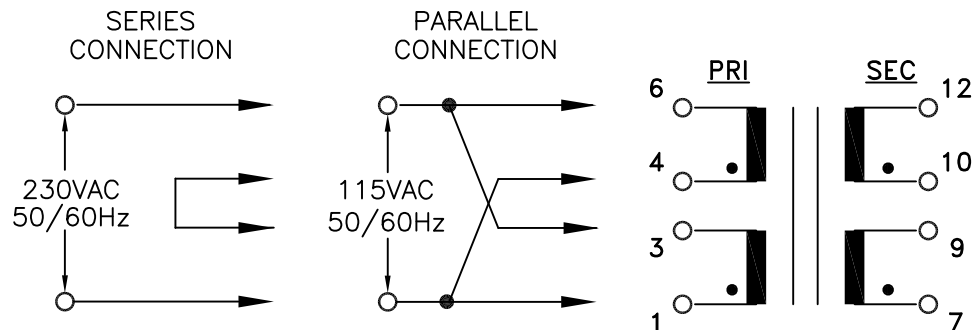


E. Mounting Footprint:

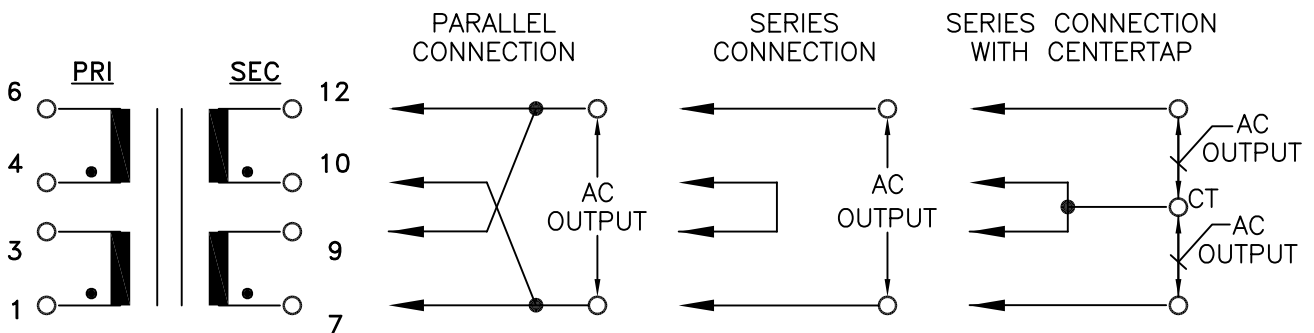


F. Schematic Diagram:

PRIMARY INPUT CONNECTIONS



SECONDARY OUTPUT CONNECTIONS



G. Table A:

T= Time lag

| PART NO.     | PARALLEL |          | SERIES   |          | SERIES WITH CT |          | OUTPUT  | SECONDARY FUSE REQ'D EA. WINDING |
|--------------|----------|----------|----------|----------|----------------|----------|---------|----------------------------------|
|              | AC VOLTS | RMS AMPS | AC VOLTS | RMS AMPS | AC VOLTS       | RMS AMPS |         |                                  |
| PL56-10-130B | 5.0      | 11.20    | 10.0     | 5.60     | 5.0-CT-5.0     | 5.60     | 2X5.0V  | T 6.30A                          |
| PL56-12-130B | 6.3      | 8.80     | 12.6     | 4.40     | 6.3-CT-6.3     | 4.40     | 2X6.3V  | T 5.00A                          |
| PL56-16-130B | 8.0      | 7.00     | 16.0     | 3.50     | 8.0-CT-8.0     | 3.50     | 2X8.0V  | T 4.00A                          |
| PL56-20-130B | 10.0     | 5.60     | 20.0     | 2.80     | 10.0-CT-10.0   | 2.80     | 2X10.0V | T 3.15A                          |
| PL56-24-130B | 12.0     | 4.66     | 24.0     | 2.33     | 12.0-CT-12.0   | 2.33     | 2X12.0V | T 2.50A                          |
| PL56-28-130B | 14.0     | 4.00     | 28.0     | 2.00     | 14.0-CT-14.0   | 2.00     | 2X14.0V | T 2.00A                          |
| PL56-36-130B | 18.0     | 3.12     | 36.0     | 1.56     | 18.0-CT-18.0   | 1.56     | 2X18.0V | T 1.60A                          |

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DRAWING CONTROL NO.  
P-A1-12262  
ACAD/MXFM/R/A1122622.DWG

REV  
F

MODEL DESCRIPTION  
POWER  
TRASFORMER

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MODEL SPECIFICATION

**PL56-XX-130B**

DIM: mm[In] SCL: 1/1 SH: 2 OF 2

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MODEL NUMBER

**PL56-XX-130B**

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Tamura:

[PL56-10-130B-C](#) [PL56-12-130B-C](#) [PL56-16-130B-C](#) [PL56-20-130B-C](#) [PL56-24-130B-C](#) [PL56-28-130B-C](#) [PL56-36-130B-C](#)