

REV. Status
 REVISION -
 09/27/99 YS

REVISION A
 ADDED RoHS
 05/03/07 MP

LOW PROFILE, THREE FLANGE 24VA POWER TRANSFORMER APPROVED TO UL506 AND USES A UL CLASS B (130°C) APPROVED INSULATION SYSTEM

A. Electrical Specifications (@25°C)

1. Maximum Power: 24VA
2. Primary Voltage and Frequency: 115/230VAC
50/60Hz.
3. Secondary RMS Rating: See Table A on sheet 2
4. Voltage Regulation: 30% TYP @ full load to no load
5. Temperature Rise: 60°C TYP (75°C MAX)
6. Insulation Resistance:
100MΩ MIN @ 500VDC, Pri to Sec, Pri to Core
100MΩ MIN @ 500VDC, Sec to core
7. Dielectric Withstand:
1500Vrms 1 minute @ Pri to Sec, Pri to Core
1500Vrms 1 minute @ Sec to Core



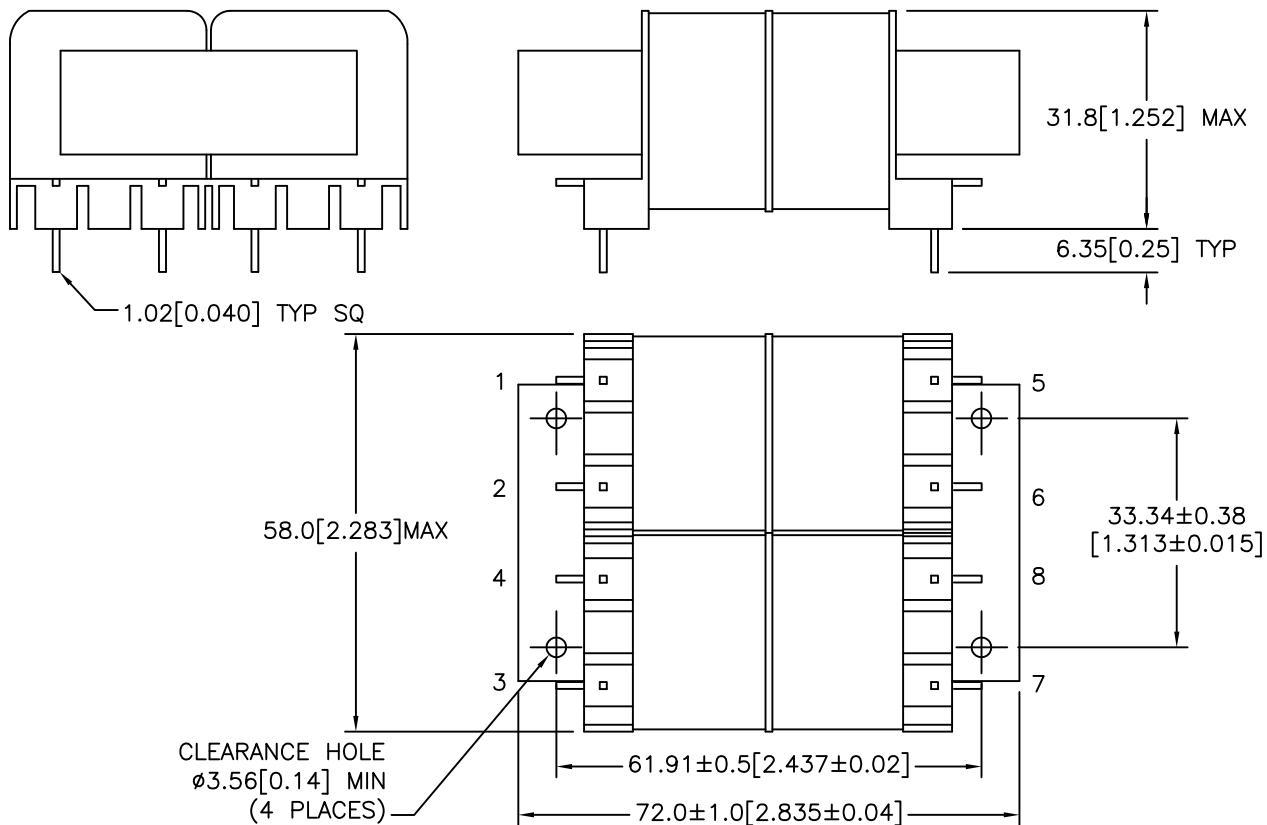
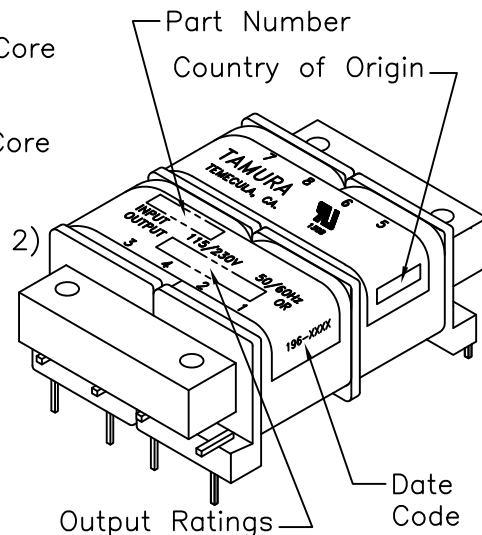
MODEL NUMBER
PF24 SERIES

B. Marking: TAMURA, Tamura part number (see sheet 2) date code, country of origin, safety logos and input and output ratings (see sheet 2)

C. Safety:
 UL approved, UL506 File, E79781
 Insulation Class B (130°C) File No E92957



D. Mechanical Specifications:



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

PREPARED BY:
 K. BRENNAN

ENGINEER:
 M. PITCHAI

SAFETY ENGINEER
 B. OCONNELL

APPROVED:
 Y. SEKIGUCHI

DRAWING CONTROL NO. P-A1-11739

REV A

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

MODEL DESCRIPTION
 24VA PF SERIES
 POWER TRANSFORMER

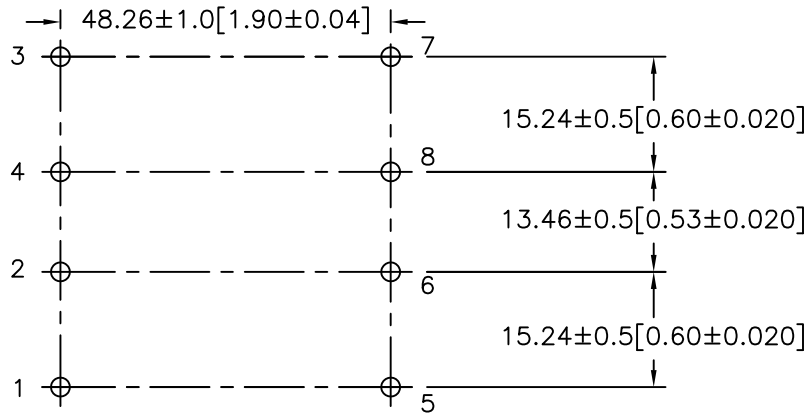
TAMURA CORPORATION OF AMERICA
 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029
 (951) 699-1270 FAX 7607400536

MODEL SPECIFICATION
PF24 SERIES

DIM: mm[In] SCL: NONE SH: 1 OF 2

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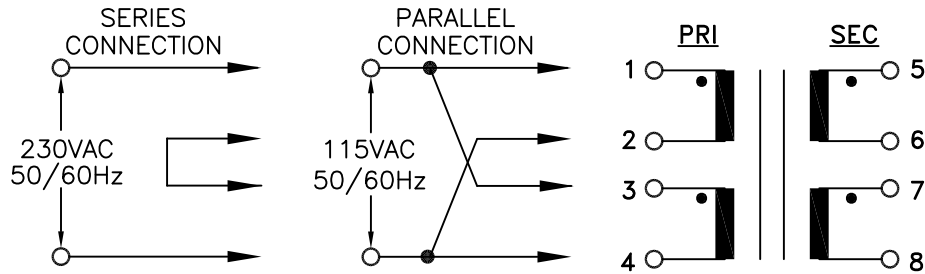
E. Mounting Footprint:



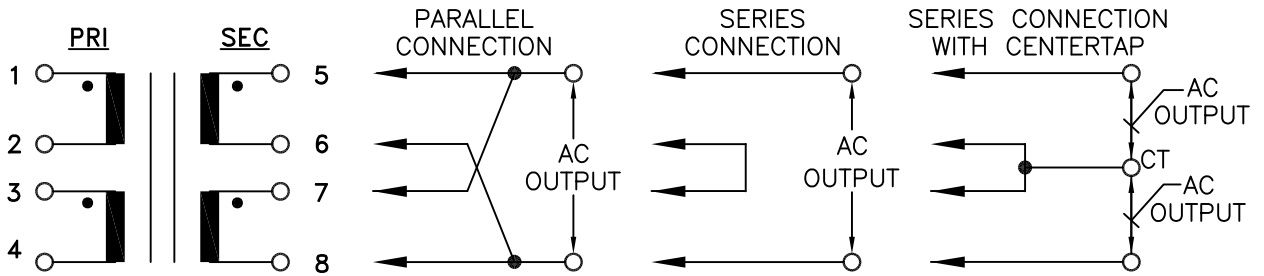
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F. Schematic Diagram:

PRIMARY INPUT CONNECTIONS



SECONDARY OUTPUT CONNECTIONS



G. Table A:

| TAMURA PART NO. | PARALLEL CONNECTION | | SERIES CONNECTION | | SERIES CONNECTION WITH CT | |
|-----------------|---------------------|----------|-------------------|----------|---------------------------|----------|
| | AC VOLTS | RMS AMPS | AC VOLTS | RMS AMPS | AC VOLTS | RMS AMPS |
| PF24-10 | 5.0 | 4.80 | 10.0 | 2.40 | 5.0-CT-5.0 | 2.40 |
| PF24-12 | 6.3 | 3.80 | 12.6 | 1.90 | 6.3-CT-6.3 | 1.90 |
| PF24-16 | 8.0 | 3.00 | 16.0 | 1.50 | 8.0-CT-8.0 | 1.50 |
| PF24-20 | 10.0 | 2.40 | 20.0 | 1.20 | 10.0-CT-10.0 | 1.20 |
| PF24-24 | 12.0 | 2.00 | 24.0 | 1.00 | 12.0-CT-12.0 | 1.00 |
| PF24-30 | 15.0 | 1.60 | 30.0 | 0.80 | 15.0-CT-15.0 | 0.80 |
| PF24-34 | 17.0 | 1.40 | 34.0 | 0.70 | 17.0-CT-17.0 | 0.70 |
| PF24-56 | 28.0 | 0.85 | 56.0 | 0.43 | 28.0-CT-28.0 | 0.43 |

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MODEL SPECIFICATION
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DIM: mm[In] SCL: NONE SH: 2 OF 2

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