



LOW PROFILE, THREE FLANGE 6VA POWER TRANSFORMER APPROVED TO UL506 AND CSA C22.2 NO. 66-1988 AND USES A UL CLASS B (130°C) APPROVED INSULATION SYSTEM

MODEL NUMBER  
3FL & PF 6VA

REV. Status  
REVISION -  
05/01/07 YS

A. Electrical Specifications (@25°C)

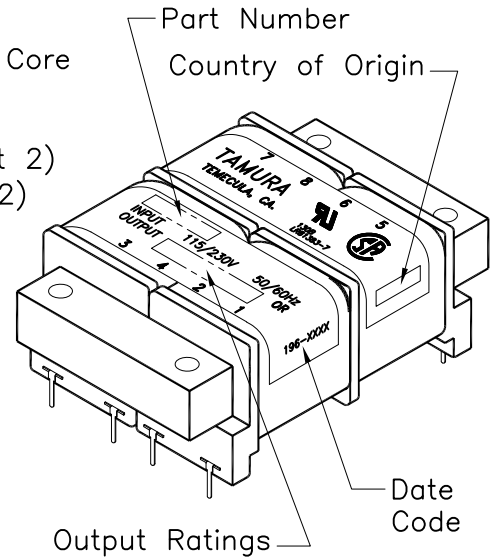
1. Maximum Power: 6VA
2. Primary Voltage and Frequency: 115/230VAC 50/60Hz.
3. Secondary RMS Rating: See Table A on sheet 2
4. voltage Regulation: 35% TYP @ full load to no load
5. Temperature Rise: 45°C TYP (60°C MAX)
6. Insulation Resistance:  
100MΩ MIN @ 500VDC, Pri to Sec, Pri to Core  
100MΩ MIN @ 500VDC, Sec to core
7. Dielectric Withstand:  
1500Vrms 1 minute @ Pri to Sec, Pri to Core  
1500Vrms 1 minute @ Sec to Core



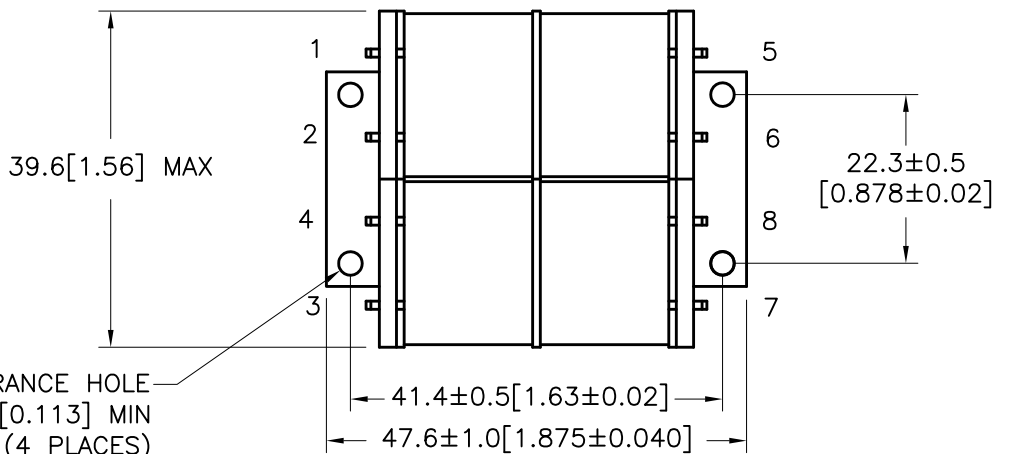
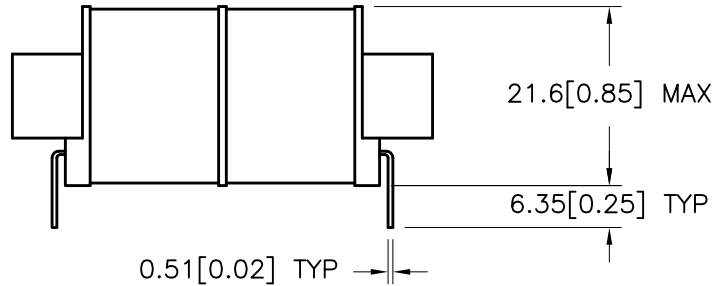
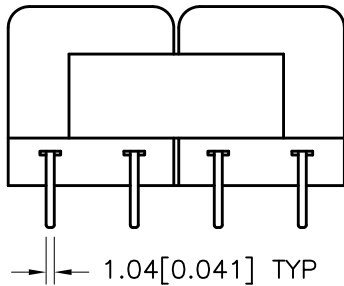
- B. Marking: TAMURA, Tamura part number (see sheet 2)  
MICROTRAN, Microtran part number (see sheet 2)  
date code, country of origin, safety logos  
and input and output ratings (see sheet 2)

C. Safety:

UL approved, UL506 File E145619, E79781  
Insulation Class B (130°C) File No E92957  
CSA Certified, C22.2 No. 66 File 081383  
(3FL Series)



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

DWG CONTROL NO. P-A1-11599  
ACAD\3F\A1115991.DWG

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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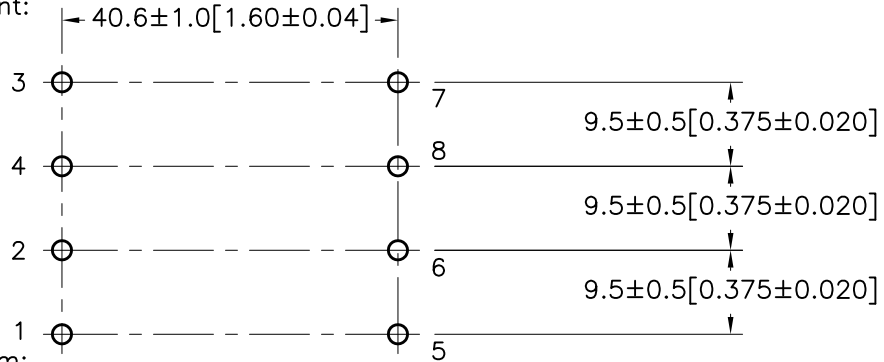
REV -  
6VA 3FL & PF SERIES  
POWER TRANSFORMER

**TAMURA CORPORATION OF AMERICA**  
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
(951) 699-1270 FAX 9516769482

**3FL & PF 6VA**

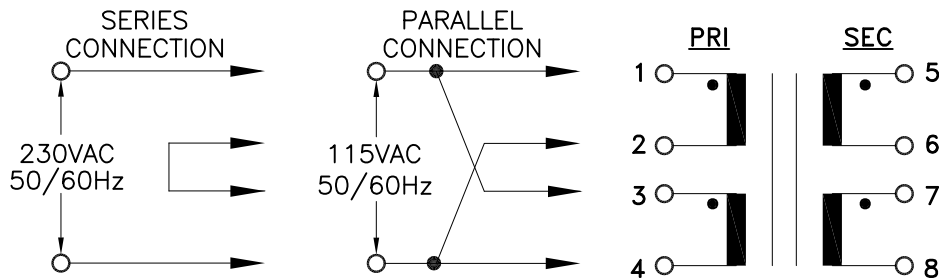
MODEL SPECIFICATION  
DIM: mm[In] SCL: 1/1 SH: 1 OF 2

E. Mounting Footprint:

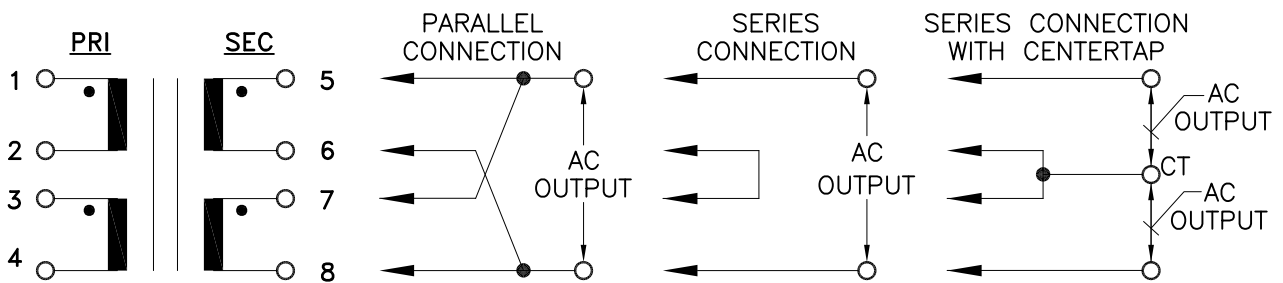


F. Schematic Diagram:

**PRIMARY INPUT CONNECTIONS**



**SECONDARY OUTPUT CONNECTIONS**



G. Table A:

| TAMURA PART NO. | MICROTRAN PART NO. | PARALLEL CONNECTION |          | SERIES CONNECTION |          | SERIES CONNECTION WITH CT |          |
|-----------------|--------------------|---------------------|----------|-------------------|----------|---------------------------|----------|
|                 |                    | AC VOLTS            | RMS AMPS | AC VOLTS          | RMS AMPS | AC VOLTS                  | RMS AMPS |
| 3FL10-600       | PF6-10             | 5.0                 | 1.20     | 10.0              | 0.600    | 5.0-CT-5.0                | 0.600    |
| 3FL12-475       | PF6-12             | 6.3                 | 0.95     | 12.6              | 0.475    | 6.3-CT-6.3                | 0.475    |
| 3FL16-350       | PF6-16             | 8.0                 | 0.70     | 16.0              | 0.350    | 8.0-CT-8.0                | 0.350    |
| 3FL20-300       | PF6-20             | 10.0                | 0.60     | 20.0              | 0.300    | 10.0-CT-10.0              | 0.300    |
| 3FL24-250       | PF6-24             | 12.0                | 0.50     | 24.0              | 0.250    | 12.0-CT-12.0              | 0.250    |
| 3FL30-200       | PF6-30             | 15.0                | 0.40     | 30.0              | 0.200    | 15.0-CT-15.0              | 0.200    |
| 3FL34-170       | PF6-34             | 17.0                | 0.34     | 34.0              | 0.170    | 17.0-CT-17.0              | 0.170    |
| 3FL40-150       | N/A                | 20.0                | 0.30     | 40.0              | 0.150    | 20.0-CT-20.0              | 0.150    |
| 3FL56-100       | PF6-56             | 28.0                | 0.20     | 56.0              | 0.100    | 28.0-CT-28.0              | 0.100    |
| 3FL88-65        | N/A                | 44.0                | 0.13     | 88.0              | 0.065    | 44.0-CT-44.0              | 0.065    |
| 3FL120-50       | N/A                | 60.0                | 0.10     | 120.0             | 0.050    | 60.0-CT-60.0              | 0.050    |
| 3FL230-25       | N/A                | 115.0               | 0.05     | 230.0             | 0.025    | 115.0-CT-115.0            | 0.025    |

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MODEL SPECIFICATION

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

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