

REV. Status  
 REVISION -  
 05/07/07 YS

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

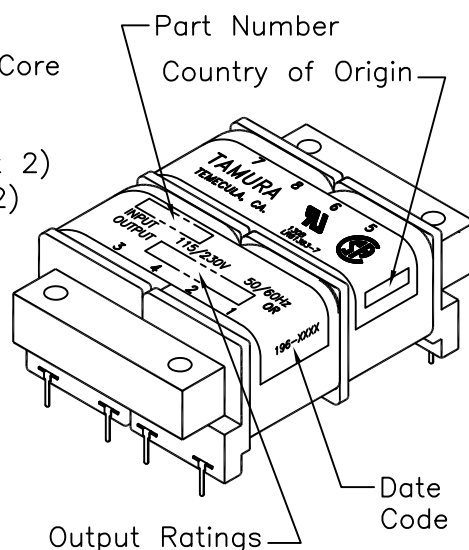
MODEL NUMBER  
 3FL & PF 6VA

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)

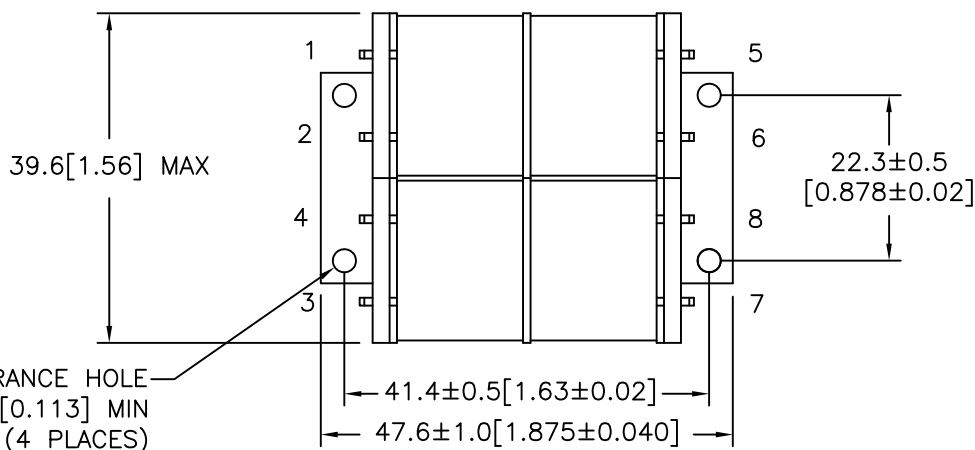
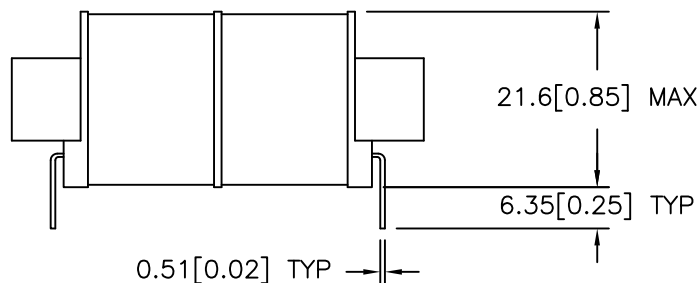
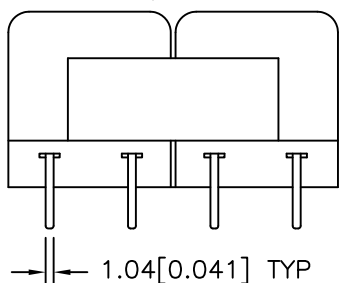


C. Safety:

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:



CLEARANCE HOLE  
 ø2.87 [0.113] MIN  
 (4 PLACES)

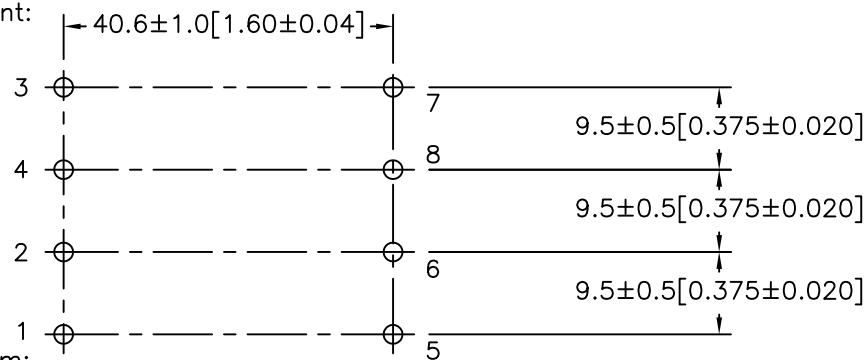
TOLERANCES (mm)
≤ 4 ± 0.2
4 ≤ 20 ± 0.3
20 ≤ 50 ± 0.4

PREPARED BY:  
 K. BRENNAN

ENGINEER:  
 M. PITCHAI  
 SAFETY ENGINEER  
 B. OCONNELL  
 APPROVED:  
 Y. SEKIGUCHI

DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P-A1-11599	-	6VA 3FL & PF SERIES POWER TRANSFORMER	3FL & PF 6VA
CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		<b>TAMURA CORPORATION OF AMERICA</b> 1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA. 92029 (951) 699-1270 FAX 7607400536	DIM: mm [In] SCL: NONE SH: 1 OF 2
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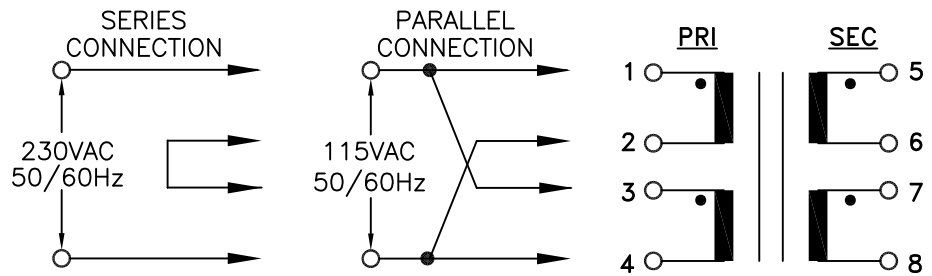
E. Mounting Footprint:



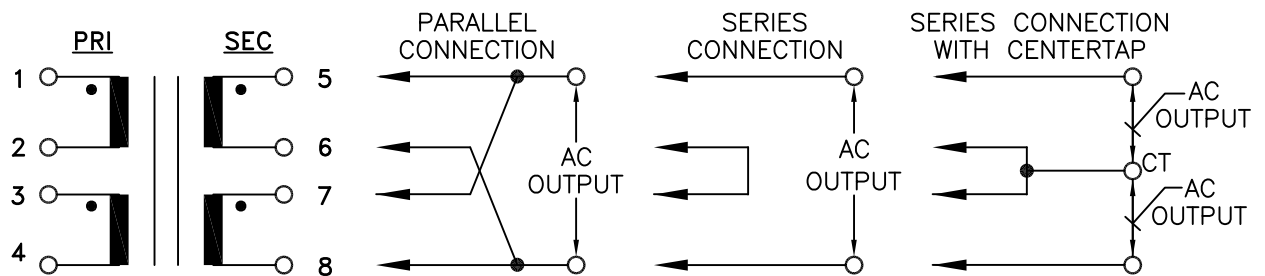
MODEL NUMBER  
**3FL & PF 6VA**

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

**MODEL SPECIFICATION**  
**3FL & PF 6VA**

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

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