

REV. Status

REVISION -

09/23/99 TS

REVISION A

ADDED RoHS

05/10/06 MP

REVISION B

ADDED THRU HOLE

DIMS. CLARIFIED

SCHEMATIC

05/01/07 MP

LOW PROFILE, THREE FLANGE 2.5VA POWER TRANSFORMER APPROVED TO UL506 AND CSA C22.2 NO. 66-1988 AND USES A UL CLASS B (130°C) APPROVED INSULATION SYSTEM

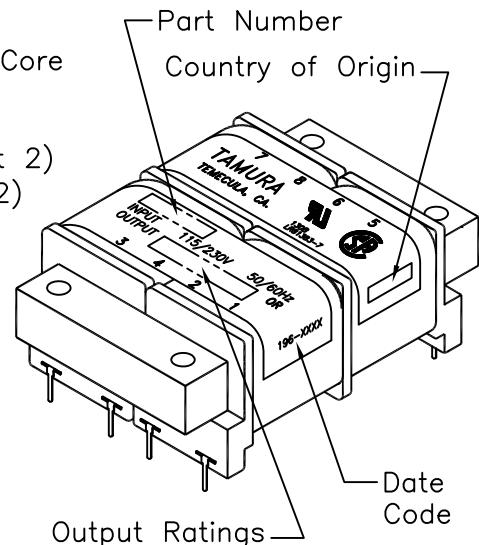
A. Electrical Specifications (@25°C)

1. Maximum Power: 2.5VA
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: 25°C TYP (40°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

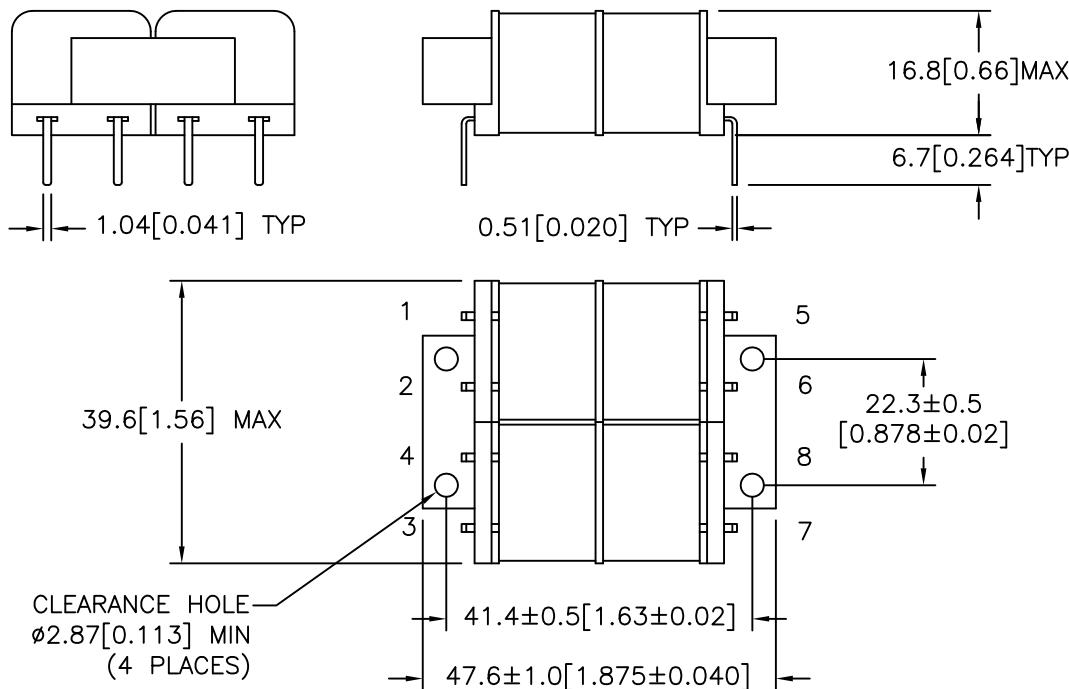
B. Marking: TAMURA, Tamura part number (see sheet 2)
 MICROTRAN, Microtran part number (see sheet 2)
 date code, country of origin, safety logos
 and input and output ratings (see sheet 2)

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)

$\leq 4 \pm 0.2$
 $4 \leq 20 \pm 0.3$
 $20 \leq 50 \pm 0.4$

PREPARED BY:

K. BRENNAN

ENGINEER:

M. PITCHAI

DRAWING CONTROL NO.

P-A1-10568

REV

B

MODEL DESCRIPTION

2.5VA 3FL & PF SERIES
POWER TRANSFORMER

MODEL SPECIFICATION

3FL & PF 2.5VA

SAFETY ENGINEER

T. CLEM

CONTENTS OF THIS DRAWING ARE
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1040 SOUTH ANDRESEN DRIVE, #100 ESCONDIDO, CA. 92029
(951) 699-1270 FAX 7607400536

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

APPROVED:

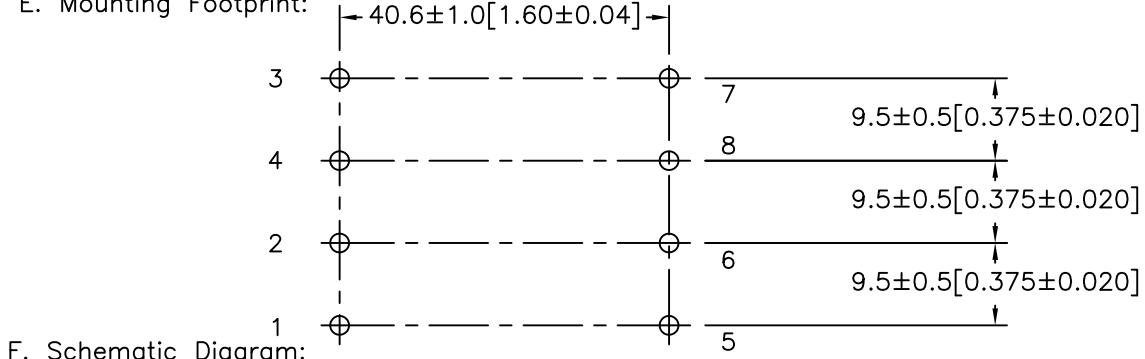
Y. SEKIGUCHI

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MODEL NUMBER
3FL & PF 2.5VA

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E. Mounting Footprint:

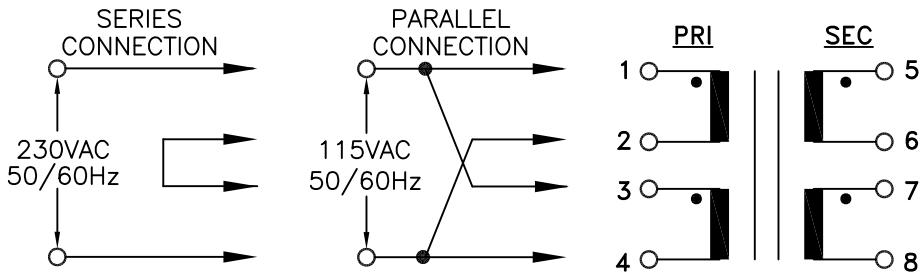


MODEL NUMBER

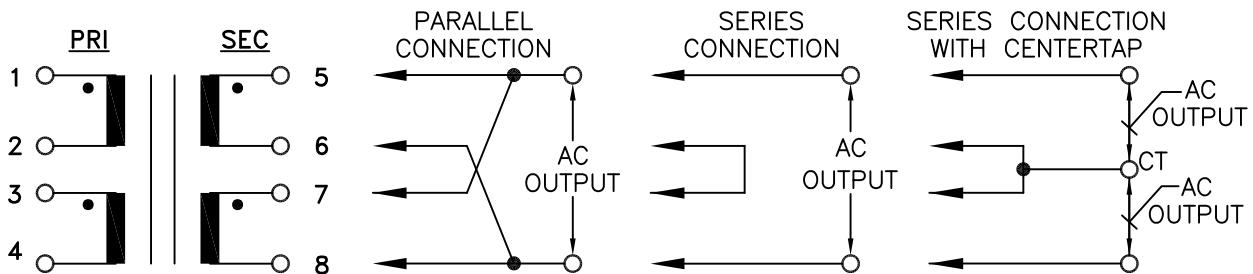
3FL & PF 2.5VA

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	
3FL10-250	PF2.5-10	5.0	0.500	10.0	0.250	5.0-CT-5.0	0.250	
3FL12-200	PF2.5-12	6.3	0.400	12.6	0.200	6.3-CT-6.3	0.200	
3FL16-150	PF2.5-16	8.0	0.300	16.0	0.150	8.0-CT-8.0	0.150	
3FL20-125	PF2.5-20	10.0	0.250	20.0	0.125	10.0-CT-10.0	0.125	
3FL24-100	PF2.5-24	12.0	0.200	24.0	0.100	12.0-CT-12.0	0.100	
3FL30-85	PF2.5-30	15.0	0.170	30.0	0.085	15.0-CT-15.0	0.085	
3FL34-75	PF2.5-34	17.0	0.150	34.0	0.075	17.0-CT-17.0	0.075	
3FL40-60	N/A	20.0	0.120	40.0	0.060	20.0-CT-20.0	0.060	
3FL56-45	PF2.5-56	28.0	0.090	56.0	0.045	28.0-CT-28.0	0.045	
3FL88-28	N/A	44.0	0.056	88.0	0.028	44.0-CT-44.0	0.028	
3FL120-20	N/A	60.0	0.040	120.0	0.020	60.0-CT-60.0	0.020	
K. BRENNAN	3FL230-10	N/A	115.0	0.020	230.0	0.010	115.0-CT-115.0	0.010

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