

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

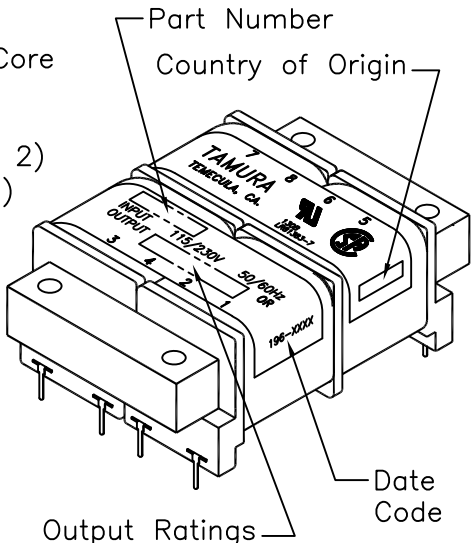
A. Electrical Specifications (@25°C)

- Maximum Power: 2.5VA
- Primary Voltage and Frequency: 115/230VAC 50/60Hz.
- Secondary RMS Rating: See Table A on sheet 2
- voltage Regulation: 35% TYP @ full load to no load
- Temperature Rise: 25°C TYP (40°C MAX)
- Insulation Resistance:
100MΩ MIN @ 500VDC, Pri to Sec, Pri to Core
100MΩ MIN @ 500VDC, Sec to core
- Dielectric Withstand:
1500Vrms 1 minute @ Pri to Sec, Pri to Core
1500Vrms 1 minute @ Sec to Core

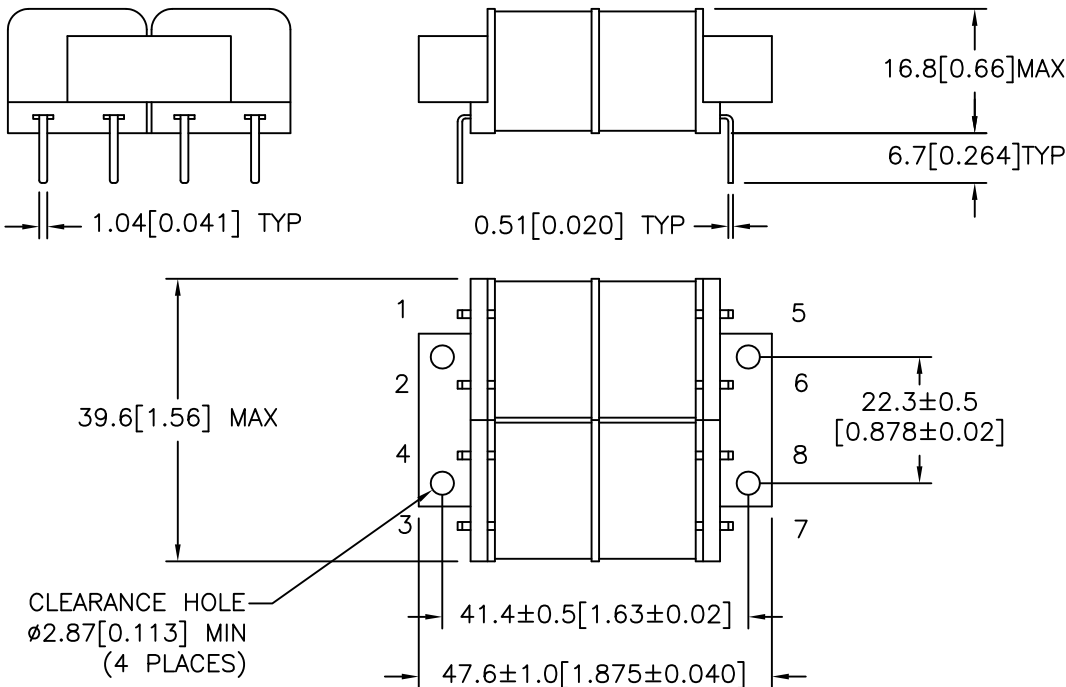
B. Marking: TAMURA, Tamura part number (see sheet 2)
MICROTRAN, Microtran part number (see sheet 2)
date code, country of origin, safety logos
and input and output ratings (see sheet 2)

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
T. CLEM
APPROVED:
Y. SEKIGUCHI

DRAWING CONTROL NO.	REV	MODEL DESCRIPTION	MODEL SPECIFICATION
P-A1-10568	B	2.5VA 3FL & PF SERIES POWER TRANSFORMER	3FL & PF 2.5VA
CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE		TAMURA CORPORATION OF AMERICA 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:

40.6±1.0[1.60±0.04]

3

4

2

1

7

8

6

5

9.5±0.5[0.375±0.020]

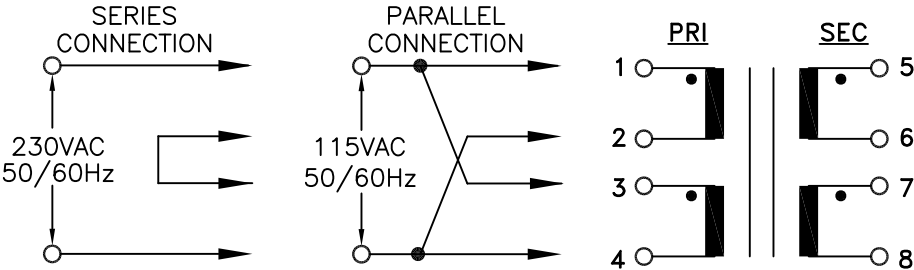
9.5±0.5[0.375±0.020]

9.5±0.5[0.375±0.020]

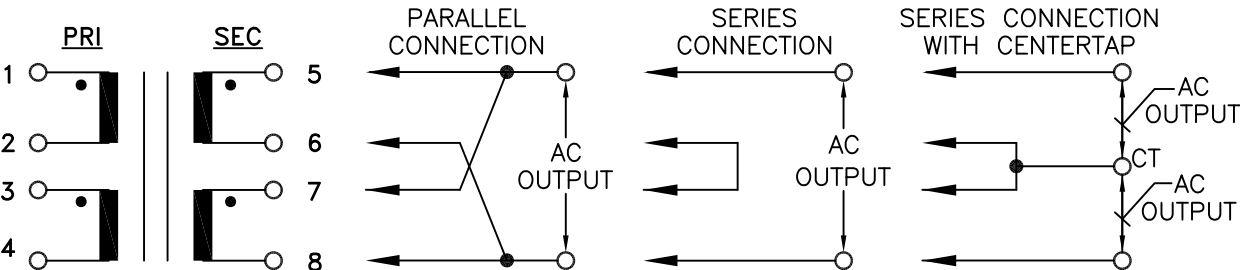
MODEL NUMBER
3FL & PF 2.5VA

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
3FL230-10	N/A	115.0	0.020	230.0	0.010	115.0-CT-115.0	0.010

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ENGINEER:

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DRAWING CONTROL NO.

P-A1-10568-2

REV

B

MODEL DESCRIPTION
2.5VA 3FL & PF SERIES
POWER TRANSFORMER

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

MODEL SPECIFICATION

3FL & PF 2.5VA

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

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