TAMURA

REV. Status

REVISION –
05/01/07 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

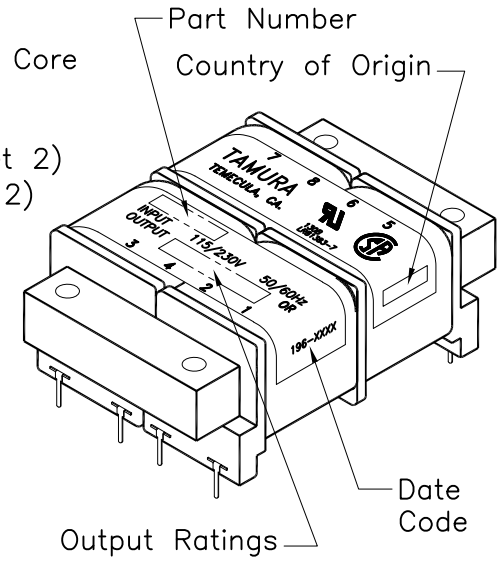
RoHS COMPLIANT

A. Electrical Specifications (@25°C)

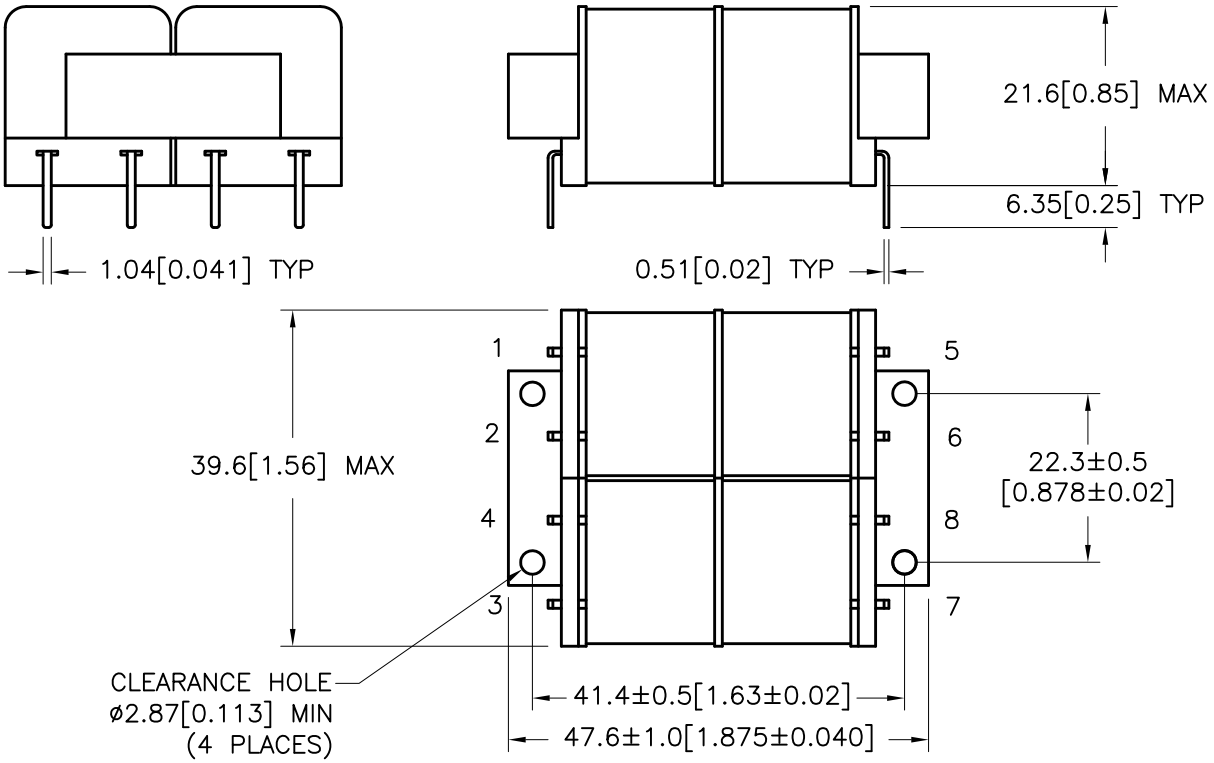
1. Maximum Power: 6VA
2. Primary Voltage and Frequency: 115/230VAC 50/60Hz.
3. Secondary RMS Rating: See Table A on sheet 2
4. voltage Regulation: 35% TYP @ full load to no load
5. Temperature Rise: 45°C TYP (60°C MAX)
6. Insulation Resistance:
   100MΩ MIN @ 500VDC, Pri to Sec, Pri to Core
   100MΩ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

REV –

6VA 3FL & PF SERIES
POWER TRANSFORMER

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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

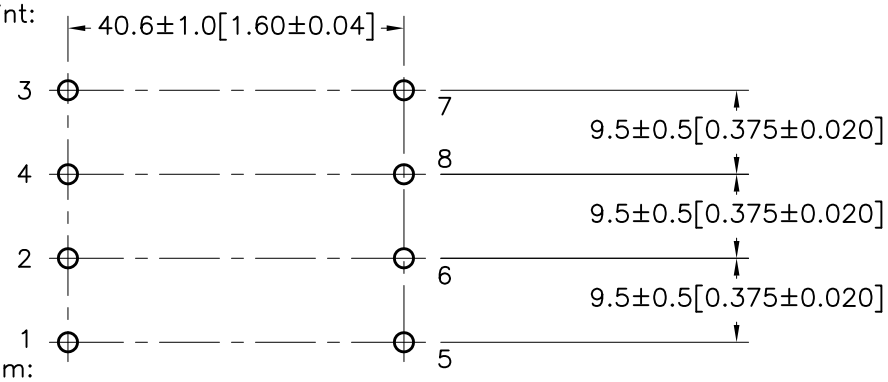
TAMURA

REV. Status

SEE SHEET 1
05/01/07 YS

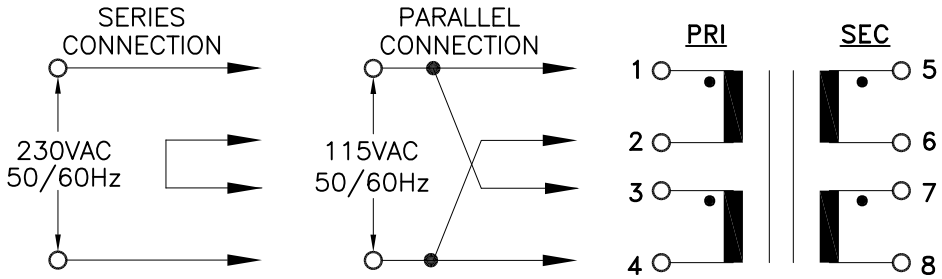
MODEL NUMBER
3FL & PF 6VA

E. Mounting Footprint:

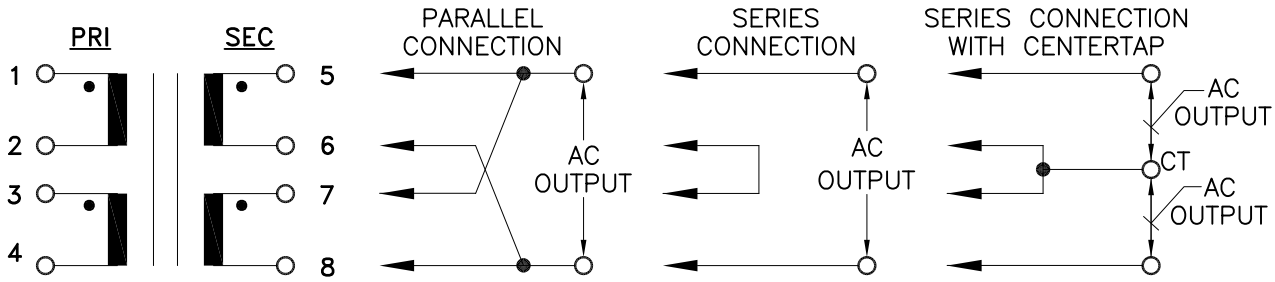


F. Schematic Diagram:

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