



THREE FLANGE DUAL PRIMARY 12.0VA PC BOARD POWER TRANSFORMER

REV. Status

REVISION -
08/14/96 TS

REVISION A
REFORMATTED
07/14/97 TS

REVISION B
CHANGED A.7.
08/23/99 TS

REVISION C
ADDED RoHS
01/10/06 MP

A. Electrical Specifications (@ 25 °C)

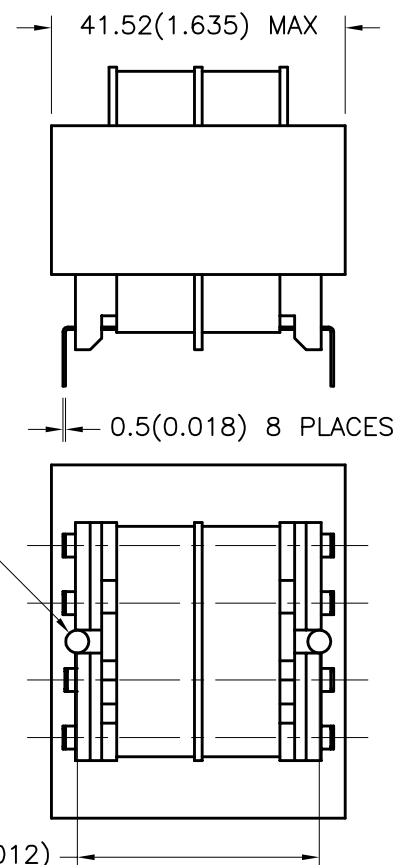
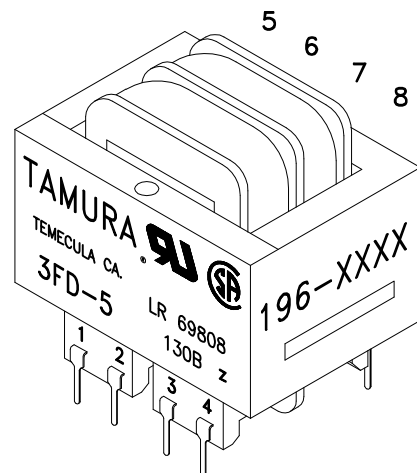
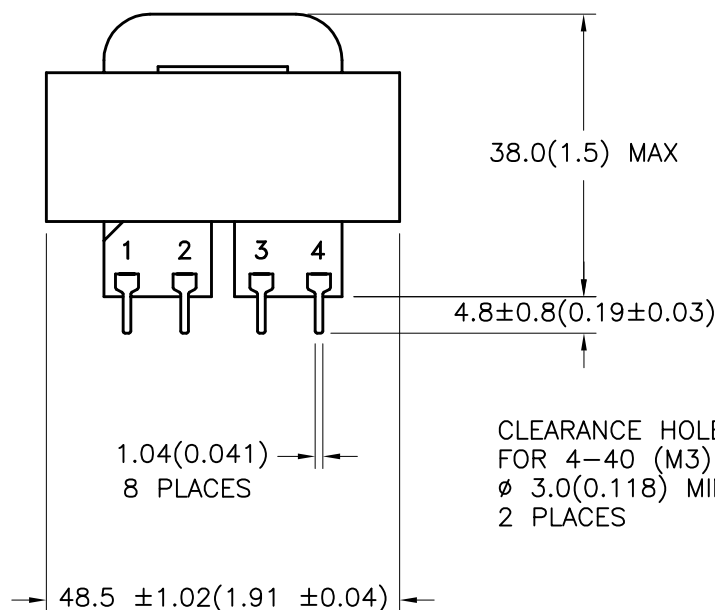
1. Maximum Power: 12.0 VA
2. Input Voltage and Frequency: 115/230V 50/60 Hz
3. Secondary Voltage: See Table A
4. Voltage Regulation: 19% TYP @ full load to no load
5. Temperature Rise: 45°C TYP (50°C MAX allowed)
6. Insulation Resistance:
 - 100 MΩ MIN @ 500VDC, Pri to Sec, Pri to Core
 - 100 MΩ MIN @ 500VDC, Sec to Core
7. Hi-Pot: 2500 Vrms 1 minute @ Pri to Sec
1500 Vrms 1 minute @ Pri to Core
1500 Vrms 1 minute @ Sec to Core
500 Vrms 1 minute @ Sec to Sec

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

C. Safety:

Insulation Class B (130°C) File No. E92957
CSA 22.2 Nos. 0 and 66, File No. LR69808
UL 1585, Class II and III, File No. E95844
UL 506, General Purpose, File No. E91239

D. Mechanical Specifications:



PREPARED BY:

K. BRENNAN

ENGINEER:

M. PITCHAI

QUALITY CONTROL:

T. CLEM

APPROVED:

Y. SEKIGUCHI

DWG CONTROL NO.
P-A1-11164
ACAD\3F\A111641.DWG

REV
C

SIZE 5 3FD & PSD FAMILY
POWER TRANSFORMER

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

3FD-5XX & PSD5-XX

MODEL SPECIFICATION

DIM: mm(In) SCL: 1/1 SH: 1 OF 2

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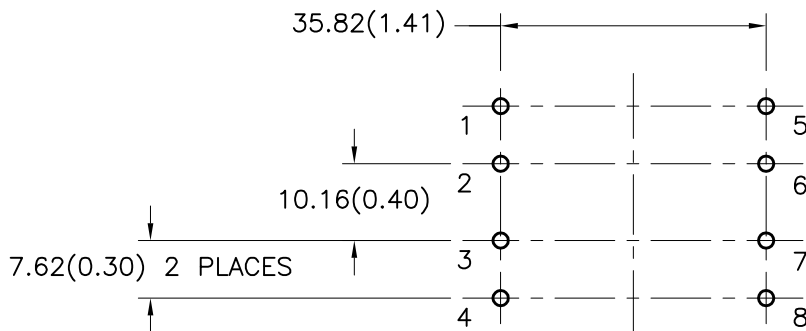
**RoHS
COMPLIANT**



MODEL NUMBER

3FD-5XX & PSD5-XX

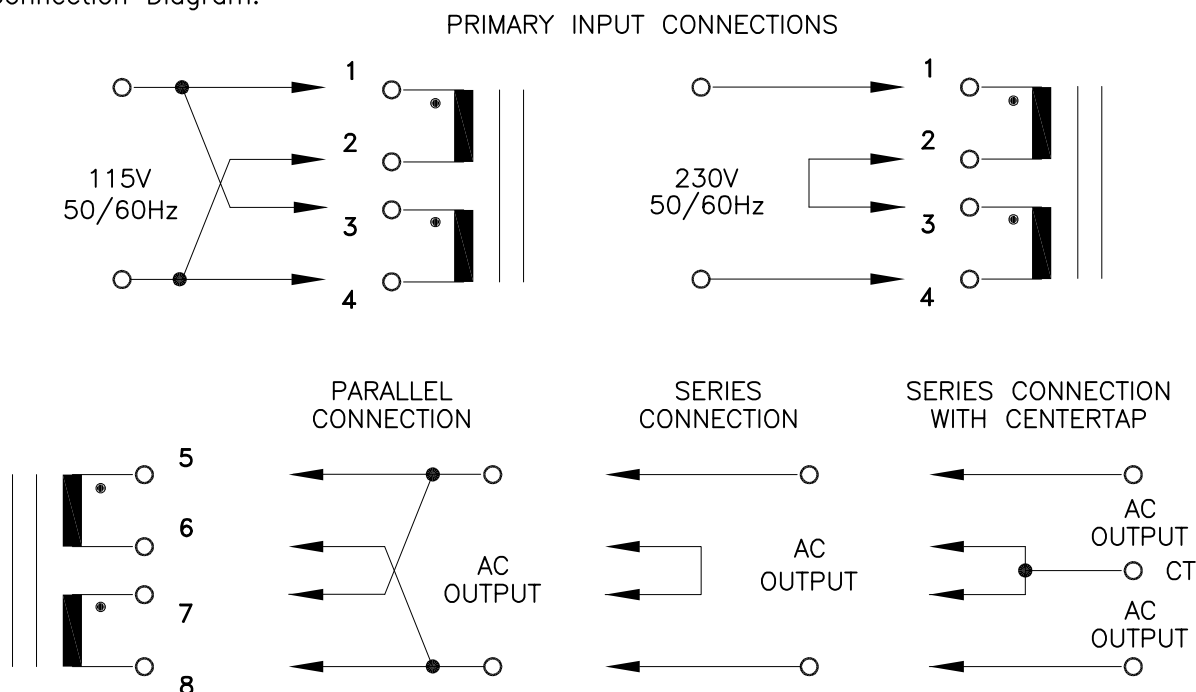
E. Mounting Footprint:



MODEL NUMBER

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F. Connection Diagram:



G. Table A: (NOTE: all parts are dual marked with both part numbers)

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
3FD-510	PSD5-10	5.0	2.4	10.0	1.2	5.0-CT-5.0	1.2
3FD-512	PSD5-12	6.3	2.0	12.6	1.0	6.3-CT-6.3	1.0
3FD-516	PSD5-16	8.0	1.6	16.0	0.8	8.0-CT-8.0	0.8
3FD-520	PSD5-20	10.0	1.2	20.0	0.6	10.0-CT-10.0	0.6
3FD-524	PSD5-24	12.0	1.0	24.0	0.5	12.0-CT-12.0	0.5
3FD-528	PSD5-28	14.0	0.84	28.0	0.42	14.0-CT-14.0	0.42
3FD-536	PSD5-36	18.0	0.7	36.0	0.35	18.0-CT-18.0	0.35
3FD-548	PSD5-48	24.0	0.5	48.0	0.25	24.0-CT-24.0	0.25
3FD-556	PSD5-56	28.0	0.44	56.0	0.22	28.0-CT-28.0	0.22
3FD-5120	PSD5-120	60.0	0.2	120.0	0.1	60.0-CT-60.0	0.1

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DIM: mm(In) SCL: 1/1 SH: 2 OF 2

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