THREE FLANGE SINGLE PRIMARY 2.4VA PC BOARD POWER TRANSFORMER

A. Electrical Specifications (@ 25°C)

1. Maximum Power: 2.4 VA
2. Input Voltage and Frequency: 115V 50/60 Hz
3. Secondary Voltage: See Table A
4. Voltage Regulation: 24% TYP @ full load to no load
5. Temperature Rise: 35°C TYP (45°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 No. 66-1988, File No. 069808.
   UL 1585, File No. E95844.
   Class 2 or 3, Noninherently limited.
   UL 506, General Purpose, File No. E91239.

D. Mechanical Specifications:

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Prepared by:
C. POPPE

Engineer:
M. Pitchai

Drawing Control No. Rev.
P-A1-11646 F

Model Description
Size 3 3FS & PSS Family
Power Transformer

Model Specification
3FS-3XX & PSS3-XX

TAMURA CORPORATION OF AMERICA
1040 SOUTH ANDREASEN DRIVE, #100 ESCONDIDO, CA, 92029
(760) 871-2099

Contents of this drawing are subject to change without prior notice

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E. Mounting Footprint:

F. Schematic Diagram:

PARALLEL CONNECTION

SERIES CONNECTION

SERIES CONNECTION WITH CENTER TAP

*not UL - recognized for series connect.

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

<table>
<thead>
<tr>
<th>TAMURA PART NO</th>
<th>PARALLEL</th>
<th>SERIES</th>
<th>SERIES WITH CT</th>
<th>SECONDARY FUSE REQUIRED EACH WINDING</th>
</tr>
</thead>
<tbody>
<tr>
<td>3FS-310 PSS3-10</td>
<td>5.0 0.50</td>
<td>10.0 0.25</td>
<td>5.0-CT-5.0 0.25</td>
<td>0.3A</td>
</tr>
<tr>
<td>3FS-312 PSS3-12</td>
<td>6.3 0.40</td>
<td>12.6 0.20</td>
<td>6.3-CT-6.3 0.20</td>
<td>0.25A</td>
</tr>
<tr>
<td>3FS-316 PSS3-16</td>
<td>8.0 0.30</td>
<td>16.0 0.15</td>
<td>8.0-CT-8.0 0.15</td>
<td>0.2A</td>
</tr>
<tr>
<td>3FS-320 PSS3-20</td>
<td>10.0 0.24</td>
<td>20.0 0.12</td>
<td>10.0-CT-10.0 0.12</td>
<td>0.15A</td>
</tr>
<tr>
<td>3FS-324 PSS3-24</td>
<td>12.0 0.20</td>
<td>24.0 0.10</td>
<td>12.0-CT-12.0 0.10</td>
<td>0.125A</td>
</tr>
<tr>
<td>3FS-328 PSS3-28</td>
<td>14.0 0.17</td>
<td>28.0 0.085</td>
<td>14.0-CT-14.0 0.085</td>
<td>0.1A</td>
</tr>
<tr>
<td>3FS-336 PSS3-36</td>
<td>18.0 0.13</td>
<td>36.0 0.065</td>
<td>18.0-CT-18.0 0.065</td>
<td>0.1A</td>
</tr>
<tr>
<td>3FS-348 PSS3-48</td>
<td>24.0 0.10</td>
<td>48.0 0.065</td>
<td>24.0-CT-24.0 0.05</td>
<td>1/16A</td>
</tr>
<tr>
<td>3FS-356 PSS3-56</td>
<td>28.0 0.09</td>
<td>56.0 0.045</td>
<td>28.0-CT-28.0 0.045</td>
<td>1/16A</td>
</tr>
<tr>
<td>3FS-3120 PSS3-120</td>
<td>60.0 0.04</td>
<td>120.0* 0.02</td>
<td>60.0-CT-60.0 0.02</td>
<td>N/A</td>
</tr>
</tbody>
</table>

UL APPROVED FUSE

C. POPPE

M. PITCHAI

SAFETY ENGINEER

PREPARED BY:

DRAWING CONTROL NO.

MODEL DESCRIPTION

MODEL SPECIFICATION

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(760) 871-2099

DIM: mm/in SCL: NONE SI: 2 OF 2

APPROVED:

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