FEATURES

- IEC 320/C6, C8, C14, C18 AC Inlets
- 2 X MOPP BF Rated
- Approved to IEC/EN/UL 60601-1 3.1 Edition
- CEC Level VI & ErP Stage II Compliant
- LED Power Indicator
- Competitively Priced

INPUT SPECIFICATIONS

Input Voltage Range ............... 90-264 VAC
Input Frequency ..................... 47-63 Hz
Input Current ........................... 1.0A rms @ 115 VAC
................................................ 0.45A rms @ 230 VAC
Inrush Current ......................... 70A @ 230 VAC, at 25°C cold start
Touch Current ......................... 100 µA max. @ 240 VAC
Earth Leakage Current ........... 300 µA max. @ 240 VAC (Class I)

OUTPUT SPECIFICATIONS

Output Power Ratings ............ See table
No Load Power Cons. .......... 0.1W max.
Line Regulation .................... ±1% max.
Load Regulation ..................... ±5% max.
Ripple and Noise* .................. 1% peak to peak max.
Overvoltage Protection ...... Set at 110-200% of its nominal output voltage; Shutdown
Short Circuit Protection ... Shutdown; Auto recovery
Overcurrent Protection .... Set at 102-200% of its nominal input voltage; Shutdown
Temperature Coefficient ........ ±0.04%/°C max.
Transient Response .......... 0.5 ms @ 50% load change

GENERAL SPECIFICATIONS

Power Factor ....................... 0.9 typical
Efficiency .......................... 84% min. @ full load
Hold-up Time ..................... 10 ms @ full load
Operating Temperature ........ 0°C to +40°C
Storage Temperature ............ -20°C to +80°C
Operating Humidity ............. 20% to 80% non-condensing
Storage Humidity ................. 10% to 90% non-condensing
Withstand Voltage .............. 4,000 VAC, input-output (2 MOPP)
........................................ 1,500 VAC, input-ground (1 MOPP)
MTBF .................................. 300 kHrs minimum at full load, 25°C ambient, calculated per Telecordia SR-332

MODELS LIST

<table>
<thead>
<tr>
<th>Product No. (1)</th>
<th>Output Voltage</th>
<th>Maximum Current</th>
<th>Maximum Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDM36-05</td>
<td>5V</td>
<td>5A</td>
<td>25W</td>
</tr>
<tr>
<td>TDM36-7.5</td>
<td>7.5V</td>
<td>4A</td>
<td>30W</td>
</tr>
<tr>
<td>TDM36-09</td>
<td>9V</td>
<td>4A</td>
<td>36W</td>
</tr>
<tr>
<td>TDM36-12</td>
<td>12V</td>
<td>3A</td>
<td>36W</td>
</tr>
<tr>
<td>TDM36-15</td>
<td>15V</td>
<td>2.4A</td>
<td>36W</td>
</tr>
<tr>
<td>TDM36-18</td>
<td>18V</td>
<td>2A</td>
<td>36W</td>
</tr>
<tr>
<td>TDM36-24</td>
<td>24V</td>
<td>1.5A</td>
<td>36W</td>
</tr>
</tbody>
</table>

Note:
1) Add suffix "-4" for models furnished with IEC 320/C14 AC inlet, "-6" for C6 inlet, "-8" for C8 inlet, "-2" for C18 inlet, e.g. TDM36-05-4, TDM36-12-6, TDM36-15-8, TDM36-24-2, etc.

STANDARDS & COMPLIANCES

IEC 60601-1-2:2014 ............ EMC & Immunity Performance
EN 55011 & 55022 .............. Class B, conducted & radiated
FCC, VCCI ....................... Class B, conducted & radiated
EN 61000-3-2 .................... Harmonic distortion, Class A & D
EN 61000-3-3 .................... Line flicker
EN 61000-4-2 .................... ESD, ±15 KV air and ±8 KV contact
EN 61000-4-3 .................... Radiated immunity, 10V/m
EN 61000-4-4 .................... Fast transient/burst, ±2 KV
EN 61000-4-5 .................... Surge, ±1 KV diff., ±2 KV com.
EN 61000-4-6 .................... Conducted immunity, 6 Vrms
EN 61000-4-8 .................... Magnetic field immunity, 30A/m
EN 61000-4-11 .................. Voltage dips, 30% reduction for 500ms,
........................................ 60% reduction for 100ms,
........................................ >95% reduction for 10ms
Safety Standards ............... UL/IEC/EN 60601-1 (3.1Edition),
........................................ ANSI/AAMI ES 60601-1:2012,
........................................ CSA C22.2 No. 60601-1:2014,
........................................ IEC 60950-1 (2nd Edition)
Agency Approvals ............. UL, cUL, TUV, CE, CB, PSE
Other Compliances ............ RoHS, CEC & Energy Star Level VI,
........................................ ErP Stage II
TDM36 Series
25-36 Watts Medical & ITE Grade AC/DC Power Adapters

MECHANICAL SPECIFICATIONS

Notes:
1. Unit: mm
3. Weight: 203g (0.45 lbs) approx.
4. Standard output connector: 2.5x5.5x9.5mm barrel plug
5. Contact TRUMPower for output connector options.