1. NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

2. INPUT SPECIFICATION:
   - Input Frequency: 47-63 Hz. (50/60Hz.Nom.) or DC.
   - Input Current: 0.3A @115Vac./ 0.13A @ 230Vac.
   - Inrush Current: 32.5A peak @230Vac.
   - Input Fuse: Use external fuse. 1.0A/250Vac for primary fuse is suggested.
   - Dielectric Withstand: 3,000Vac-Output/Input, 1,500Vac-Input/GND, 500Vac-Output/GND.
   - Safety (Pending): UL/cUL 60950 3-rd edition, TUV to EN 60950, CE.
   - EMI: Meet CISPR PUB.22/ FCC Class B.
   - Hold-up time: 20mS @115Vac, 80mS @230Vac.
   - Earth Leakage: Less than 3.5mA @230Vac.

3. OUTPUT SPECIFICATION:

<table>
<thead>
<tr>
<th>P/N</th>
<th>Model</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTPM1003.3</td>
<td>GT-5M10S-033243</td>
<td>+ 3.3VDC @ 2430 mA</td>
</tr>
<tr>
<td>GTPM1000</td>
<td>GT-5M10S-050200</td>
<td>+ 5.0VDC @ 2000 mA</td>
</tr>
<tr>
<td>GTPM1009</td>
<td>GT-5M10S-090112</td>
<td>+ 9.0VDC @ 1120 mA</td>
</tr>
<tr>
<td>GTPM1001</td>
<td>GT-5M10S-120090</td>
<td>+ 12.0VDC @ 900 mA</td>
</tr>
<tr>
<td>GTPM1002</td>
<td>GT-5M10S-150072</td>
<td>+ 15.0VDC @ 720 mA</td>
</tr>
<tr>
<td>GTPM1003</td>
<td>GT-5M10S-240045</td>
<td>+ 24.0VDC @ 450 mA</td>
</tr>
<tr>
<td>GTPM10048</td>
<td>GT-5M10S-480025</td>
<td>+ 48.0VDC @ 250 mA</td>
</tr>
<tr>
<td>GTPM100D3.3</td>
<td>GT-5M10D-033120</td>
<td>+ 3.3V DC @ 1120 mA; -3.3 VDC @ 1120 mA</td>
</tr>
<tr>
<td>GTPM1004</td>
<td>GT-5M10D-050100</td>
<td>+ 5.0 VDC @ 1000 mA; -5 V DC @ 1000 mA</td>
</tr>
<tr>
<td>GTPM1005</td>
<td>GT-5M10D-120045</td>
<td>+ 12.0VDC @ 450 mA; -12 VDC @ 450 mA</td>
</tr>
<tr>
<td>GTPM1006</td>
<td>GT-5M10D-150035</td>
<td>+ 15.0VDC @ 350 mA; -15 VDC @ 350 mA</td>
</tr>
</tbody>
</table>
GT-5M10 SERIES 10W
Switching Power Supplies

ON-BOARD UNIVERSAL INPUT AC-DC ENCAPSULATED MODULAR POWER SUPPLIES 10 WATTS SINGLE & DUAL OUTPUT

Output Wattage: 10 Watts typical.
Output Indicator: LED.
Line Regulation:
Single O/P: ±0.1% typical.
Dual O/P: ±0.2% typical.
Load Regulation:
Various with output voltage.
Single O/P: ±1.0% typical.
Dual O/P: ±2.0% typical.
Noise & ripple: 1.0% typical peak to peak.
OVP: Built-in on main output.
Adjustability: From -10% of main output till OVP.
Overload Protection (OLP):
Fully protected against output overload and short circuit.
OLP set at about 125-150% rating output wattage.
Consult the factory for OLP setting.

4. GENERAL SPECIFICATION:
Efficiency: 67-79% typical (Various with output voltage).
Switching Frequency: 75K Hz.
Circuit Topology: Fixed Frequency Flyback circuit.
Transient Response:
Typical peak deviation 250mV,
Recovery time < 3mS for a 25% load change.
Impact resistant thermo-plastic enclosure.
Case: 120g (4.23 Oz).
Power Density: 2.51 Watts. / Cubic inch.
Safety Standard: EN60950/ UL1950 Class I.
MTBF: 100,000 hours.
Mil Std 217, 25°C.
Operating Temperature:
-10°C to +50°C full load without derating.
From +50°C, derating linearly to half load @+70°C.
(Refer to Derating Chart.)
Storage Temperature: -20°C to +85°C.
Temperature Coefficient: ± 0.02% /°C.
Humidity: Up to 95%RH, Non-condensing.
Cooling: Convection cooling for +50°C @ full load.
At least 100LFM moving air is recommended for full load > +50°C in a confined area.

Commercial Grade only.

NOTE:
1. All measurements are at nominal input, full load, and +25°C unless otherwise specified.
2. Load Regulation measured from Full-Load (F-L) to Half-Load (H-L) at nominal input and others loaded at half load.
   Due to requests in market and advances in technology, specifications subject to change without notice.
5. DERATING CHART:

![Derating Chart](chart.png)

6. MECHANICAL DIMENSIONS: MM (INCH)

![Mechanical Dimensions Diagram](diagram.png)

**PIN ASSIGNMENT**

<table>
<thead>
<tr>
<th>PIN NO.</th>
<th>SINGLE</th>
<th>DUAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIN #1</td>
<td>AC-GROUND</td>
<td>AC-GROUND</td>
</tr>
<tr>
<td>PIN #2</td>
<td>AC-NEUTRAL</td>
<td>AC-NEUTRAL</td>
</tr>
<tr>
<td>PIN #3</td>
<td>AC-LINE</td>
<td>AC-LINE</td>
</tr>
<tr>
<td>PIN #4</td>
<td>+ VO1</td>
<td>+ VO1</td>
</tr>
<tr>
<td>PIN #5</td>
<td>NO PIN</td>
<td>DC-COM</td>
</tr>
<tr>
<td>PIN #6</td>
<td>DC-COM</td>
<td>-VO2</td>
</tr>
</tbody>
</table>

**WEIGHT**: 120.0 gr
7. LABEL:

![Diagram of the label with specifications]

8. INDIVIDUAL PACKING / LOT SHIPPING BOX: