



Medical



160 Watt Series

Desktop Type

ATM160A4 - P X X X

P : C6 / C14 ← → O / P Voltage

Features :

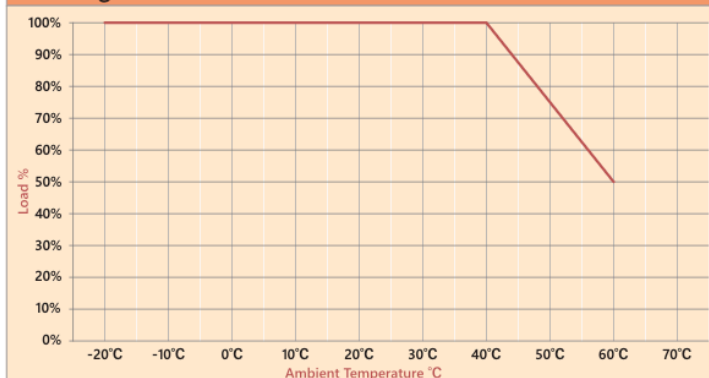
- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- Means of Protection: 2 X MOPP
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 2 Years Warranty

| Model | O/P Voltage | O/P Current | Watt |
|---------------|-------------|-------------|--------|
| ATM160A4-P120 | 12.0V | 12.5A | 150.0W |
| ATM160A4-P240 | 24.0V | 6.6A | 158.4W |

Input

| | |
|----------------|-------------------------------|
| Voltage | 100-240VAC |
| Line Frequency | 50-60Hz |
| Current | 1.8A-0.9A |
| Protection | Internal Primary Current Fuse |
| Configuration | IEC60320/C6, C14 |

Derating Curve



Output

| | |
|-----------------------------|--|
| Load Regulation | ±5% (Typical) |
| Ripple & Noise | ≤ 1% Vp-p @ Full Load |
| Transient(Dynamic) Response | 0.5mS with 50% Load Change |
| Start-up Time | < 3,000mS |
| Hold-up Time | ≥ 10mS @ Full Load |
| Rise Time | < 50mS |
| Protection | Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection |

Electrical

| | |
|---|--|
| Topology | LLC |
| Dielectric Withstand | 4,000VAC Primary - Secondary |
| Touch Current (Patient) Leakage Current | < 100μA |
| Earth Leakage Current | < 5mA |
| Efficiency | Meet DoE Level VI, ErP Stage 2 |
| EMC Standards | EN55011 |
| | EN61000-3-2,3 |
| | EN61000-4-2,3,4,5,6,8,11 |
| MTBF | 300,000 Calculated Hours at 25°C , by Telcordia SR-332 |

Environmental

| | |
|-----------------------|----------------------------|
| Operating Temperature | -20 to + 40°C |
| Storage Temperature | -20 to + 80°C |
| Operating Altitude | 5,000M |
| Relative Humidity | Operating : 20 to 80% RH |
| | Storage : 10 to 90% RH |
| Cooling | Natural Convection Cooling |

Mechanical

| | |
|----------------|------------------------------|
| Case Dimension | L 161 × W 54.2 × H 33.2 (mm) |
| Weight | 520g (Ref.) |