

NEW

I.T.E.

Medical



GaN FET Technology 450 Watt Series

Desktop Type

ATM450A2 - P X X X

P : C14 ← → O / P Voltage



Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC/EN/UL 62368-1 3rd Edition
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA
- Efficiency up to 95%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

| Model | O/P Voltage | O/P Current | Watt |
|---------------|-------------|-------------|------|
| ATM450A2-P120 | 12.0V | 33.34A | 400W |
| ATM450A2-P240 | 24.0V | 18.75A | 450W |
| ATM450A2-P480 | 48.0V | 9.38A | 450W |
| ATM450A2-P560 | 56.0V | 8.05A | 450W |

| Input | |
|----------------|-------------------------------|
| Voltage | 100-240VAC |
| Line Frequency | 50-60Hz |
| Current | 5.3-2.2A Max. |
| Protection | Internal Primary Current Fuse |
| Configuration | IEC60320/C14 |

| Output | |
|--------------------|--|
| Load Regulation | ±5% (Typical) |
| Ripple & Noise | 1% Vp-p Max. for Output Voltage @ Full Load |
| Transient Response | 0.5mS for 50% Load Change Typical |
| Hold-up Time | 10mS @ Full Load |
| Protection | Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection |

| Electrical | |
|----------------------|--|
| Topology | LLC |
| Dielectric Withstand | 4000VAC Primary - Secondary |
| Touch Current | < 100µA |
| Efficiency | DoE Level VI |
| EMC Standards | EN55032 / EN55011 |
| | EN61000-3-2,3 |
| | EN55035 / 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 |
| Relative Humidity | Operating : 20 to 80% RH |
| | Storage : 10 to 90% RH |
| Cooling | Natural Convection Cooling |

| Mechanical | |
|----------------|---------------------------|
| Case Dimension | L 254 × W 116 × H 47 (mm) |
| Weight | 1600g (Ref.) |

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RoHS