

**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 3.2)
- EMC : IEC60601-1-2 (Edition 4.1)
- 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-P190 | 19.0V       | 23.60A      | 450W |
| 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                      |
| 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.)              |



**RoHS**