



GaN FET Technology

250 Watt Series

Small Size Desktop Type

ATM250TS - ☐ X X X

P : C14 O / P Voltage
A : C18

Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.2)
- IEC/EN/ANSI/AAMI HA60601-1-11 (Class II Only)
- EMC : IEC60601-1-2 (Edition 4.1)
- IEC/EN/UL 62368-1 3rd Edition
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- High Power Density : 11W / in³
- With 250kHz Switching Frequency
- Means of Protection: 2 X MOPP
- Efficiency up to 95%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

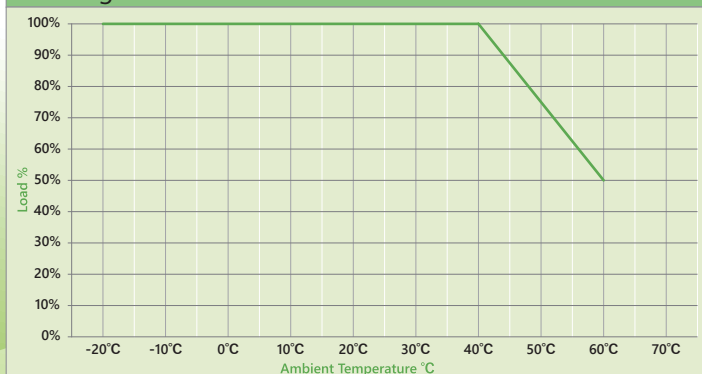
Model	O/P Voltage	O/P Current	Watt
ATM250TS- ☐ 120	12.0V	19.00A	228W
ATM250TS- ☐ 190	19.0V	13.20A	250W
ATM250TS- ☐ 240	24.0V	10.40A	250W
ATM250TS- ☐ 480	48.0V	5.20A	250W
ATM250TS- ☐ 560(*)	56.0V	4.48A	250W

(*) I.T.E. Only

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.9A-1.3A
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14, C18

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	DoE Level VI, ErP Stage 2, CoC Tier 2
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
Operating Altitude	5,000M
Relative Humidity	Operating : 20 to 80% RH Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical

Case Dimension	L 173 × W 67 × H 32.1 (mm)
Weight	855g (Ref.)