

# GaN FET Technology 250 Watt Series

Small Size Desktop Type

ATM250TS - □ X X X

P : C14 ←  
A : C18 → O / P Voltage



## Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- IEC/EN/ANSI/AAMI HA60601-1-11 (Class II Only)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC/EN/UL 62368-1
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- High Power Density : 11.1W / in<sup>3</sup>
- With 250kHz Switching Frequency
- 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
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	2.9-1.3A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14, C18

## 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, 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
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.)