



# GaN FET Technology

## 160 Watt Series

Small Size Desktop Type

ATS160TS -  X X X

P : C6 / C14 ← → O / P Voltage  
A : C8



### Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- High Power Density : 10.0W / in<sup>3</sup>
- With 200kHz Switching Frequency
- Efficiency up to 95%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 1 Year Warranty

### Output

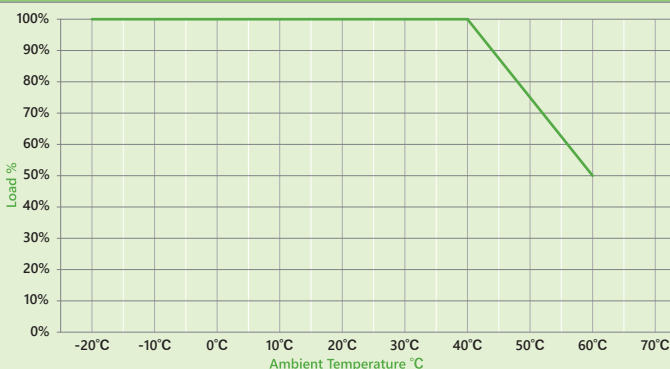
Load Regulation	±5% ( Typical )
Ripple & Noise	≤ 1% Vp-p @ Full Load
Transient (Dynamic) Response	0.5mS with 50% Load Change
Start-up Time	< 3,000mS
Hold-up Time	≥ 10mS @ Full Load
Rise Time	< 50mS
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature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

Model	O/P Voltage	O/P Current	Watt
ATS160TS- <input type="checkbox"/> 120	12.0V	12.50A	150W
ATS160TS- <input type="checkbox"/> 190	19.0V	8.40A	160W
ATS160TS- <input type="checkbox"/> 240	24.0V	6.60A	160W
ATS160TS- <input type="checkbox"/> 480	48.0V	3.30A	160W
ATS160TS- <input type="checkbox"/> 560	56.0V	2.86A	160W

### Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	2.2A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6, C8, C14

### Derating Curve



### Electrical

Topology	LLC
Dielectric Withstand	3,000VAC Primary - Secondary
Leakage Current	< 0.5mA @ 2Pin / < 5mA @ 3Pin
Efficiency	DoE Level VI, ErP Stage 2, CoC Tier 2
EMC Standards	EN55032
	EN61000-3-2,3
	EN55035
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	C6 & C14 - L 161 × W 54.2 × H 33.2 (mm)
	C8 - L 150 × W 54 × H 33 (mm)
Weight	530g (Ref.)