



90 Watt Series

Desktop Type

ATS090A1 - X X X

G : C6
P : C14

→ O / P Voltage



Features :

- IEC/EN/UL 62368-1 3rd Edition
- 100-240VAC Universal Input
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Model	O/P Voltage	O/P Current	Watt
ATS090A1- <input type="checkbox"/> 120	12.0V	7.50A	90.0W
ATS090A1- <input type="checkbox"/> 150	15.0V	6.00A	90.0W
ATS090A1- <input type="checkbox"/> 160	16.0V	5.63A	90.0W
ATS090A1- <input type="checkbox"/> 180	18.0V	5.00A	90.0W
ATS090A1- <input type="checkbox"/> 190	19.0V	4.70A	89.3W
ATS090A1- <input type="checkbox"/> 240	24.0V	3.75A	90.0W
ATS090A1- <input type="checkbox"/> 480	48.0V	1.88A	90.0W
ATS090A1- <input type="checkbox"/> 560	56.0V	1.60A	90.0W

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C6,C14

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

Electrical

Topology	LLC
Dielectric Withstand	3,000VAC Primary - Secondary
Earth Leakage Current	< 5mA
Efficiency	DoE Level VI, ErP Stage 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	L 133.5 x W 53.5 x H 33 (mm)
Weight	330g (Ref.)