



300 Watt Series

Desktop Type

MDS300T - P X X X

P : C14 ← O / P Voltage →

Green Mode

DoE Level VI,
NO Load Power Consumption Less Than 0.5W

Safety Approvals

CB / UL / cUL / FCC / GS / CE / PSE / BSMI

Features:

- 100-240VAC Universal Input
- Single Output to 300W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

Electrical

Topology	LLC
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	3.5mA @ 3Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2 & NRCan Certified
EMI Conduction & Radiation	Compliance to EN55022 Class B
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to IEC61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25°C , by Telcordia SR-332

Model	O/P Voltage	O/P Current	Watt
MDS300T-P120	12.0V	24.00A	288.0W
MDS300T-P190	19.0V	15.78A	300.0W
MDS300T-P240	24.0V	12.50A	300.0W
MDS300T-P480	48.0V	6.25A	300.0W

Environmental

Operating Temperature	0 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

Input

Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.9A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14

Mechanical

Case Dimension	L 254 x W 116 x H 47 (mm)
Weight	1600 g (Ref.)

Output

Load Regulation	±5% (Typical)
Ripple	1 ~ 2% 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
DC Cord	UL 2464 / 16AWG
Ferrite Core	Yes