



50 Watt Series

Desktop Type

MDS050T - □ X X X

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

Green Mode

CEC, DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI
NO Load Power Consumption Less Than 0.21W

Features:

- 100-240VAC Universal Input
- Single Output to 50W
- 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
MDS050T-P050	5.0V	10.00A	50W
MDS050T- □090	9.0V	4.00A	36W
MDS050T- □091	9.0V	5.00A	45W
MDS050T- □120	12.0V	3.30A	40W
MDS050T- □121	12.0V	4.20A	50W
MDS050T- □135	13.5V	3.71A	50W
MDS050T- □150	15.0V	3.34A	50W
MDS050T- □180	18.0V	2.78A	50W
MDS050T- □190	19.0V	2.64A	50W
MDS050T- □240	24.0V	2.10A	50W
MDS050T- □480	48.0V	1.05A	50W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1.2A Max.
Protection	Internal Primary Current Fuse , Inrush Limiting
Configuration	IEC60320/C6,C8,C14

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
DC Cord	20AWG / 18AWG / 16AWG
Ferrite Core	Yes

Safety Approvals

CB / UL / cUL / FCC / GS / CE / BSMI / CCC / RCM / LPS
CB / UL / cUL / FCC / GS / CE / PSE for ATS050T-P050

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA @ 2Pin / 3.5mA @ 3 Pin
Efficiency	DoE Level VI, Energy Star, ErP Stage 2, NRCAN & GEMS Level VI 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

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

Mechanical	
Case Dimension	L115 x W53 x H38 (mm) L139 x W61 x H36 (mm) (MDS050T-P050)
Weight	278g (Ref.) 332g (MDS050T-P050)

