



36 Watt Series

Desktop Type

MDS036T - □ X X X

P : 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 0.1W

Features:

- 100-240VAC Universal Input
- Single Output to 36W
- 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
MDS036T- □050	5.0V	5.00A	25.0W
MDS036T- □075	7.5V	4.00A	30.0W
MDS036T- □085	8.5V	3.52A	30.0W
MDS036T- □090	9.0V	3.34A	30.0W
MDS036T- □120	12.0V	3.00A	36.0W
MDS036T- □135	13.5V	2.66A	36.0W
MDS036T- □150	15.0V	2.40A	36.0W
MDS036T- □160	16.0V	2.25A	36.0W
MDS036T- □180	18.0V	2.00A	36.0W
MDS036T- □240	24.0V	1.50A	36.0W
MDS036T- □480	48.0V	0.75A	36.0W

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	1A Max.
Protection	Internal Primary Current Fuse , Inrush Limiting
Configuration	IEC60320/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	22AWG / 20AWG / 18AWG / 16AWG
Ferrite Core	No (Optional)

Safety Approvals	
CB / UL / cUL / FCC / GS / CE / PSE / BSMI / CCC / RCM / LPS	

Electrical	
Topology	Switching Flyback
Dielectric Withstand	3000VAC Primary - Secondary
Leakage Current	0.25mA
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	L101 x W51 x H34 (mm)
Weight	160g (Ref.)