

# 18 Watt Series

Desktop Type

MDS018T - □ 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 0.1W

## Features:

- 100-240VAC Universal Input
- Single Output to 18W
- 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   |
|--------------|-------------|-------------|--------|
| MDS018T-050□ | 5.0V        | 3.0A        | 15.00W |
| MDS018T-060□ | 5.9V        | 2.5A        | 14.75W |
| MDS018T-061□ | 5.9V        | 3.0A        | 17.70W |
| MDS018T-070□ | 7.0V        | 2.5A        | 17.50W |
| MDS018T-075□ | 7.5V        | 2.5A        | 18.75W |
| MDS018T-090□ | 9.0V        | 2.2A        | 19.80W |
| MDS018T-100□ | 10.0V       | 1.9A        | 19.00W |
| MDS018T-110□ | 11.0V       | 1.6A        | 17.60W |
| MDS018T-120□ | 12.0V       | 1.6A        | 19.20W |
| MDS018T-150□ | 15.0V       | 1.3A        | 19.50W |
| MDS018T-160□ | 16.0V       | 1.2A        | 19.20W |
| MDS018T-180□ | 18.0V       | 1.1A        | 19.80W |
| MDS018T-240□ | 24.0V       | 0.8A        | 19.20W |

| Input          |   |
|----------------|---|
| Voltage        | 100-240VAC                                      |
| Line Frequency | 50-60Hz   |
| Current        | 0.48A 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            | 22AWG / 20AWG / 18AWG  |
| Ferrite Core       | No (Optional)  |

## Safety Approvals

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

## Electrical

|                            |   |
|----------------------------|---|
| Topology                   | Switching Flyback   |
| Dielectric Withstand       | 3,000 VAC 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 EN61000-4-2,3,4,5,6,8,11                                  |
| 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<br>Storage : 10 to 90% RH |
| Cooling               | Natural Convection Cooling                         |

## Mechanical

|                |   |
|----------------|---|
| Case Dimension | P : L100 x W50 x H33 (mm)<br>A : L88 x W50 x H34 (mm) |
| Weight         | 144g (Ref.)   |



JET LPS



R33154

RoHS

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