

# 24 Watt Series

Desktop Type

MDS024T - □ 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 24W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Modified and Custom Design Available
- 1 Year Warranty

## 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

| Model         | O/P Voltage | O/P Current | Watt   |
|---------------|-------------|-------------|--------|
| MDS024T- □050 | 5.0V        | 4.0A        | 20.00W |
| MDS024T- □060 | 5.9V        | 3.5A        | 20.65W |
| MDS024T- □061 | 5.9V        | 4.0A        | 23.60W |
| MDS024T- □070 | 7.0V        | 3.0A        | 21.00W |
| MDS024T- □075 | 7.5V        | 3.0A        | 22.50W |
| MDS024T- □090 | 9.0V        | 2.5A        | 22.50W |
| MDS024T- □120 | 12.0V       | 2.0A        | 24.00W |
| MDS024T- □150 | 15.0V       | 1.6A        | 24.00W |
| MDS024T- □240 | 24.0V       | 1.0A        | 24.00W |
| MDS024T- □480 | 48.0V       | 0.5A        | 24.00W |

## Input

|                |   |
|----------------|---|
| Voltage        | 100-240VAC                                      |
| Line Frequency | 50-60Hz   |
| Current        | 0.58A Max.                                      |
| Protection     | Internal Primary Current Fuse , Inrush Limiting |
| Configuration  | IEC60320/C6,C8,C14                              |

## 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<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         | 166g (Ref.)   |

