



# 24 Watt Series

Wall Mount Type  
 USA / Japan / Taiwan / Europe / UK / Australia /  
 China / AC Plug Changeable

MW024T - W X X X □

O / P Voltage

- U : US Plug / JP Plug
- E : EU Plug
- B : UK Plug
- A : AU Plug
- C : CN Plug
- V : Changeable Plug

## 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

| Model        | O/P Voltage | O/P Current | Watt   |
|--------------|-------------|-------------|--------|
| MW024T-W050□ | 5.0V        | 4.0A        | 20.00W |
| MW024T-W060□ | 5.9V        | 3.5A        | 20.65W |
| MW024T-W061□ | 5.9V        | 4.0A        | 23.60W |
| MW024T-W070□ | 7.0V        | 3.0A        | 21.00W |
| MW024T-W075□ | 7.5V        | 3.0A        | 22.50W |
| MW024T-W090□ | 9.0V        | 2.5A        | 22.50W |
| MW024T-W120□ | 12.0V       | 2.0A        | 24.00W |
| MW024T-W150□ | 15.0V       | 1.6A        | 24.00W |
| MW024T-W240□ | 24.0V       | 1.0A        | 24.00W |
| MW024T-W480□ | 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  | U for US Plug / JP Plug    A for AU Plug<br>E for EU Plug                    C for CN Plug<br>B for UK Plug<br>V for Changeable Plug |

| 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

For USA- CB / UL / cUL / FCC / PSE / BSMI / LPS  
 For Europe & UK - CB / CE / LPS  
 For Australia - CB / RCM / LPS  
 For China - CB / CCC / 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<br>Storage : 10 to 90% RH |
| Cooling               | Natural Convection Cooling                         |

## Mechanical

|                |                                 |  |
|----------------|---------------------------------|--|
| Case Dimension | U & C - L 72 x W 34 x H 69 (mm) |  |
|                | E - L 72 x W 34 x H 90 (mm)     |  |
|                | B - L 72 x W 50 x H 81 (mm)     |  |
|                | A - L 72 x W 40 x H 78 (mm)     |  |
|                | V - L 78 x W 52 x H 41 (mm)     |  |
| Weight         | U : 148g    A : 150g            |  |
|                | E : 154g    C : 148g            |  |
|                | J : 148g    V : 158g (Ref.)     |  |
|                | B : 158g                        |  |
|                |                                 |  |
|                |                                 |  |

