



## 12 Watt Medical Series

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

ATM012T - W X X X □

O/P Voltage ←

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

### Green Mode

Meet CEC, DoE Level VI, Energy Star, ErP Stage 2,  
NRCan & GEMS  
No Load Power Consumption Less Than 0.075W

### Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC/EN/UL 60950 & 62368 Approval
- Means of Protection: 2 X MOPP
- Touch Current : < 100µA
- 100-240VAC Universal Input
- Single Output to 12W
- Regulated Output With Low Ripple Noise
- Safety Agency Requirements and EMI/EMS Certified
- Private Label Marking Available
- Modified and Custom Design Available
- 2 Years Warranty

| Model          | O/P Voltage | O/P Current | Watt   |
|----------------|-------------|-------------|--------|
| ATM012T-W033□  | 3.3V        | 2.00A       | 6.60W  |
| ATM012T-W050□  | 5.0V        | 2.00A       | 10.00W |
| ATM012T-W050□U | 5.0V        | 2.00A       | 10.00W |
| ATM012T-W051□  | 5.0V        | 3.00A       | 15.00W |
| ATM012T-W060□  | 5.9V        | 2.00A       | 11.80W |
| ATM012T-W062□  | 6.2V        | 2.00A       | 12.40W |
| ATM012T-W090□  | 9.0V        | 1.20A       | 10.80W |
| ATM012T-W120□  | 12.0V       | 1.00A       | 12.00W |
| ATM012T-W150□  | 15.0V       | 0.80A       | 12.00W |
| ATM012T-W180□  | 18.0V       | 0.67A       | 12.06W |
| ATM012T-W240□  | 24.0V       | 0.50A       | 12.00W |

\*Add suffix □"U" with USB port

### Input

|                |                               |
|----------------|-------------------------------|
| Voltage        | 100-240VAC                    |
| Line Frequency | 50-60Hz                       |
| Current        | 0.32A-0.19A                   |
| Protection     | Internal Primary Current Fuse |
| Configuration  | U for US Plug                 |
|                | E for EU Plug                 |
|                | B for UK Plug                 |
|                | A for AU Plug                 |
|                | C for CN Plug                 |
|                | V for Changeable Plug         |

### Output

|                    |  |
|--------------------|--|
| Load Regulation    | ±5% ( Typical )  |
| Ripple & Noise     | 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

For USA - CB / UL / cUL / FCC / PSE / BSMI  
For Europe & UK - CB / T-mark(TÜV) / CE  
For Australia - CB / RCM  
For China - CB / CCC

### Electrical

|                      |  |
|----------------------|--|
| Topology             | Switching Flyback                                      |
| Dielectric Withstand | 4000VAC Primary - Secondary                            |
| Touch Current        | < 100µA  |
| Efficiency           | Meet DoE Level VI                                      |
| EMC Standards        | EN55011  |
|                      | EN61000-3-2,3  |
|                      | 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   |
|                       | Storage : 10 to 90% RH     |
| Cooling               | Natural Convection Cooling |

### Mechanical

|                |                                  |
|----------------|----------------------------------|
| Case Dimension | U - L 80.2 × W 46 × H 57.5(mm)   |
|                | E - L 80.2 × W 46 × H 68.7(mm)   |
|                | B - L 80.2 × W 49.6 × H 62.7(mm) |
|                | A - L 80.2 × W 56 × H 57.5(mm)   |
|                | C - L 80.2 × W 46 × H 57.5(mm)   |
| Weight         | U : 140g E : 145g B : 148g       |
|                | A : 144g C : 140g V : 140g(Ref.) |