

# MW117

UNIVERSAL 6-12 WATT SERIES



## MW117 UNIVERSAL 6-12 WATT SERIES

- 100-240 VAC Universal Input
- Desktop Style or Wallplug Style
- Single Output to 12W
- Regulated Output With Low Ripple
- Meets Safety Agency Requirements
- Complies With EMI/RFI Regulations
- CE Compliant
- Impact Resistant Polycarbonate Enclosure
- Private Label Marking Available
- 1 Year Warranty
- Modified and Custom Designs  
Also Available

### MW117

| Ault Part No.  | Voltage<br>DC | Max<br>Amps | Max<br>Watts |
|----------------|---------------|-------------|--------------|
| MW117KA0303_01 | 3.3V          | 2.00        | 6.6          |
| MW117KA0503_01 | 5V            | 2.00        | 10.0         |
| MW117RA0703_01 | 7V            | 1.43        | 10.0         |
| MW117KA0903_01 | 9V            | 1.10        | 10.0         |
| MW117KA1203_01 | 12V           | 0.85        | 10.2         |
| MW117KA1503_01 | 15V           | 0.70        | 10.5         |
| MW117KA1803_01 | 18V           | 0.60        | 10.8         |
| MW117KA2403_01 | 24V           | 0.45        | 10.8         |

### Ault Part No. Key

|                           |                                                    |                               |               |           |                                                      |                                                                               |
|---------------------------|----------------------------------------------------|-------------------------------|---------------|-----------|------------------------------------------------------|-------------------------------------------------------------------------------|
| MW117                     | K                                                  | A                             | 05            | 03        | —                                                    | 01                                                                            |
| Product<br>Family<br>Name | Manufacturing<br>Location<br>(volume<br>dependent) | Design<br>Revision<br>Changes | Voltage<br>DC | Connector | Input<br>Configuration/<br>Model Type<br>(see pg. 2) | Standard (no<br>modifications,<br>special artwork<br>or special<br>packaging) |



AULT INCORPORATED

7105 Northland Terrace | Minneapolis, Minnesota 55428 | USATEL (1) 763-592-1900

FAX (1) 763-592-1911 | E-MAIL [info@aultinc.com](mailto:info@aultinc.com) | WEB [www.aultinc.com](http://www.aultinc.com)

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# MW117

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### Input

|                |                                                              |
|----------------|--------------------------------------------------------------|
| Voltage        | 100-240 VAC -10%, +10%                                       |
| Line Frequency | 47-63 Hz                                                     |
| Current        | 0.35A max. at 90 VAC input                                   |
| Protection     | Internal primary current fuse, Inrush limiting               |
| Configuration  | Inlet Type : IEC320-C14, C8<br>Plug Type : NA, EURO, UK, SAA |

### Output

|                                           |                                                                                    |
|-------------------------------------------|------------------------------------------------------------------------------------|
| Combined Line and Load Voltage Regulation | ±1% excluding cord                                                                 |
| Ripple                                    | 1% V p-p max for output current of >0.175A                                         |
| Transient Response                        | 0.5 msec. for 50% load change typical                                              |
| Holdup Time                               | 18 msec min. @ 120 VAC,                                                            |
| Protection                                | Foldback overcurrent protection. Short circuit protection                          |
| Cord and Connector                        | 6 ft, 2 conductor, 18 AWG, Ault #3 connector. Other connectors are also available. |

### Safety Approvals

|                 |                                                            |
|-----------------|------------------------------------------------------------|
| Agency Listings | Designed to meet: CULus2601, TUV/IE601-1, Australia, Japan |
|-----------------|------------------------------------------------------------|

### Electrical

|                      |                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------|
| Topology             | Switching-fixed frequency flyback                                                                              |
| Dielectric Withstand | 4000 VAC, 5656 VDC primary-secondary<br>1500 VAC, 2121 VDC primary-ground<br>500 VAC, 707 VDC secondary-ground |
| Spacing              | 8mm primary-secondary                                                                                          |
| Efficiency           | Min 70%                                                                                                        |
| EMI                  | Complies with EMC Directives                                                                                   |
| CE                   | CE Compliant                                                                                                   |
| MTBF                 | 100,000 Calculated Hours                                                                                       |

### Environmental

|                       |                              |
|-----------------------|------------------------------|
| Operating Temperature | 0° to 40°C with no derating  |
| Storage Temperature   | -30° to +85°C                |
| Relative Humidity     | 5% to 95% non-condensing     |
| Altitude              | 0-10,000 feet                |
| Cooling               | Convectional-non vented case |

### Mechanical

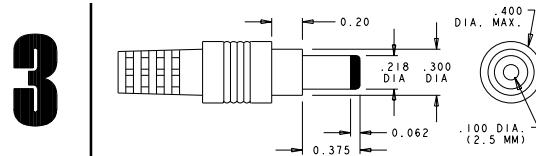
|                     |                                                          |
|---------------------|----------------------------------------------------------|
| Case and Dimensions | 3.33L x 1.83W x 1.25H (in)<br>85.0L x 47.0W x 32.0H (mm) |
| Case Material       | Black 94V0 polycarbonate                                 |
| Weight              | 5.50 ounces, 155 grams                                   |

### Input Configuration

|                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| IEC320 w/ground C14 (F)                                                             | Shaver C8 (N)                                                                       | N. America/ Japan (B)                                                               | Europe (M)                                                                          | United Kingdom (G)                                                                  | Australian (E)                                                                      |

Specify the Input Configuration Code in your order.

### Connector



|                                                 |                                     |
|-------------------------------------------------|-------------------------------------|
| Pinout Code                                     | Center contact: positive            |
| Description                                     | Switchcraft 760 plug or equivalent  |
| Suggested Mating                                | Switchcraft 712A jack or equivalent |
| Other Connectors are available by special order |                                     |



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