

# MW156

## Universal 75 Watt Series



### Medical / Switch Mode Power Supply

- 100-240 VAC Universal Input
- ENERGY STAR Level IV Compliant
- Low Life-Cycle Operation Cost
- Desktop Style
- Complies with EMI/RFI Regulations
- CE Compliant (LVD, EMC, WEEE, RoHS)
- Impact Resistant, Non-vented Polycarbonate Enclosure
- Modified and Custom Designs also Available



#### International Safety Standard Approvals



## Specifications

### Output Specifications

Line and Load Voltage Regulation	Excluding Cord	+/-1%
Ripple		1% V <sub>p-p</sub> max.
Transient Response	3.0ms max. for 50% Load Change	Slew Rate of 0.1A/us
Protection	Cycle-by-Cycle Current Limiting	Automatic Recovery for Overload or Short Circuit; Active OVP

### Input Specifications

Voltage	100-240VAC Nominal
Line Frequency	47-63Hz
Input Current	2.0A max.
Protection	Input Fuse Inrush Limited

### Environmental Specifications

Thermal Performance	Operating Temperature	0° C to 40° C with no Derating
Cooling	Convectional	Non-ventilated Enclosure
Relative Humidity	Non-condensing	5% to 95%
Altitude		0-10,000 feet

### General Specifications

Topology	Quasi-resonant Fly-back Current-mode Control
Efficiency	Energy Star Level IV
Hold-up Time	@120V 16ms, Typical
Storage Temp	-20° C to +85° C
Approvals and Safety Standards	UL60601-1, TUV/EN60601-1 IEC60601-1
MTBF	165,000 Hours
Weight	408g (14.8oz)
Case and Dimension	LP6 5.44L x 2.19W x 1.32H (in) 138.2L x 55.6W x 33.5H (mm)
Case Material	V-0 Polycarbonate Black
Cord and Connectors	6ft. (1.8m) 2-Conductor, 18AWG Standard AULT#3 Connector.

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For the most current data and application support visit [www.sipower.com](http://www.sipower.com)

Ault Part Number	Output Voltage	Output Currents		Max Watts
		Min	Max	
MW156RA1203N01	12 V	0.00 A	6.30 A	75.0 W*
MW156RA1503N01	15 V	0.00 A	5.00 A	75.0 W
MW156RA1803N01	18 V	0.00 A	4.20 A	75.0 W
MW156RA2403N01	24 V	0.00 A	3.10 A	75.0 W

### Ault Part Number Key

MW156	R	A	12	03	N	01
Product Family Name	Manufacturing Location	Type Revision	Output Voltage	Output Connector Style	Input Connector Style	Standard Item (other numbers for custom)

\*12V model rated 70W with input voltages rated 100-119V, 75W with input voltages rated 120-240VAC.

### EMI Compliance

FCC	EN55024	Class B Conducted and Radiated
Harmonic	IEC 61000-3-2	Class A
ESD	IEC 61000-4-2	CD Level 2 AD Level 3, Criterion B
RFS	IEC 61000-4-3	Level 2, Criterion A
EFT	IEC 61000-4-4	Level 2, Criterion A
Surge	IEC 61000-4-5	Level 3, Criterion B

### Optional Features

Various output cord wire gauges and connector styles available. See Ault connector style sheets for connector options

"Power-on" LED

IEC 61000-3-2 Class D Harmonic Input Cord

Active, Auto-recovery Over Temperature Protection Circuit

Synchronous Rectification for Output Voltages Lower than 12V

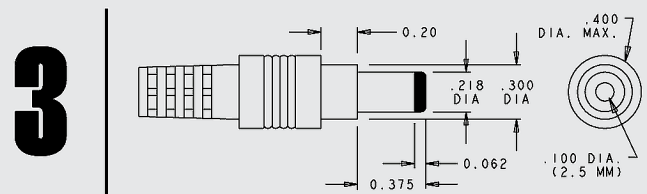
Private Label Marking

### Input Configuration



Shaver  
C8  
(N)

### Pin Connections



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	