

MW160

MEDICAL 15-48 WATT SERIES



MW160 SWITCH-MODE POWER SUPPLY

- 100-240 VAC Universal Input
- Desktop Style
- Single Output Up to 48W
- Regulated Output With Low Ripple
- Meets Medical Safety Agency Requirements
- Complies With EMI/RFI Regulations
- CE Compliant
- Impact Resistant Polycarbonate Enclosure
- Private Label Marking Available
- 3 Year Warranty
- Modified and Custom Designs Also Available

MW160

Ault Part No.	Voltage DC	Max Amps	Max Watts
MW160XA0303F01	3V	5.00	15.0
MW160XA0503F01	5V	5.00	25.0
MW160XA0703F01	7V	5.00	35.0
MW160XA0903F01	9V	4.60	42.0
MW160XA1203F01	12V	3.50	42.0
MW160XA1503F01	15V	3.00	45.0
MW160XA1603F01	16V	2.80	45.0
MW160XA1803F01	18V	2.50	45.0
MW160XA2403F01	24V	2.00	48.0

Ault Part No. Key

Product Family Name	Manufacturing Location (volume dependent)	Design Revision Changes	Voltage DC	Connector	Input Configuration/ Model Type (see pg. 2)	Denotes standard or custom requirements
MW160	X	A	05	03	—	01



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Input

Voltage	100-240 VAC +/-10%
Line Frequency	47 - 63 Hz
Current	1.2 A max at 90VAC input
Protection	Internal primary current fuse, Inrush limiting

Output

Combined Line, Load and Cross Regulation	+/-1% (excluding cord)
Ripple	1% Vp-p max for output current of > 0.175A
Transient Response	0.5msec. for 50% load change typical
Holdup Time	18 msec min @ 120VAC
Protection	Overcurrent protection Short circuit Protection
Cord and Connector	(3V, 5V, and 7V model with 3.2 ft. cord, other models with 6 ft. cord) 2 conductor, 18 AWG, Ault #3 connector. Requires overmolded ferrite core. Other connectors are also available

Safety Approvals

Agency Listings	TUV EN60601-1, cURus 2601, Australian, Japanese certification available – extra fees apply
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Input Configuration



IEC320
w/ground
C14
(F)

In Case IEC320 type with ground

Electrical

Topology	Switching-fixed frequency flyback
Dielectric Withstand	4000VAC, 5656 VDC primary-secondary 1500VAC, 2121 VDC primary-ground 500VDC secondary-ground
Spacing	8mm primary-secondary
EMI	Complies with EMC Directives
MTBF	100,000 Calculated Hours

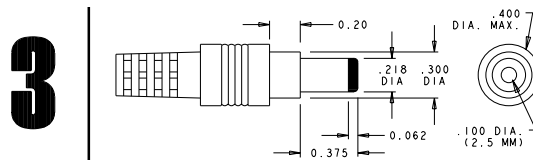
Environmental

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	4.20L x 2.60W x 1.46H (in) 107L x 66W x 37H (mm)
Case Material	Black 94V0 polycarbonate
Weight	Max. 10 ounces, 285 grams (excluding cord)

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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