

MW122

MEDICAL 120 WATT SERIES



MW122 SWITCH-MODE POWER SUPPLY

- 100-240 VAC Universal Input
- Desktop Style
- Single Output to 120W
- 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

MW122

Ault Part No.	Voltage DC	Max Amps	Max Watts
MW122RA12XXF01	12V	10	120
MW122RA24XXF01	24V	5	120

Ault Part No. Key

Product Family Name	Manufacturing Location (volume dependent)	Design Revision Changes	Voltage DC	Connector #51 - Standard for 12V model; Connector #3 - Standard for 24V model.	Input Configuration/ Model Type (see pg. 2)	Standard (no modifications, special artwork or special packaging)
MW122	R	A	12	XX	—	01



AULT INCORPORATED

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Input

Rated Voltage	100-240 VAC +/-10%
Operating Voltage	90-264 VAC
Line Frequency	47-63 Hz
Current	2A max. at 90 VAC input
Protection	Dual internal primary current fuse
Power Factor Correction Provided	Complies with EN61000-3-2 and EN61000-3-3

Output

Combined Line and Load Voltage Regulation	±1% excluding cord
Ripple	mVp-p 1% max
Transient Response	0.5 msec. for 50% load change typical
Holdup Time	16 msec min. over entire input range
Protection	Overcurrent protection. Short circuit protection.
Cord and Connector	12V: 5 ft., 4 conductor, 18AWG, #51 connector, Pinout Pins 1-4 = +V, 3,6 = common with overmolded Ferrite core. 24V: 5 ft., 2 conductor, 18AWG, with overmolded Ferrite core, #03 connector, center positive.

Safety Approvals

Agency Listings	cURus2601, TUV/IEC EN60601-1
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Input Configuration



IEC320
w/ground
C14
(F)

Electrical

Efficiency	86% Typical
Dielectric Withstand	4000 VAC, 5600 VDC primary-secondary 1500 VAC, 2150 VDC primary-ground 500 VDC secondary-ground
EMI	Complies with EMC Directives
CE	CE Compliant
MTBF	Min. 100,000 Hours

Environmental

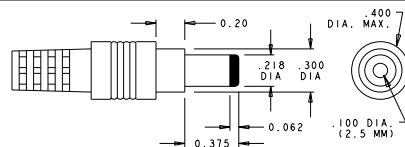
Operating Temperature	0° to 40°C with no derating
Storage Temperature	-30° to +85°C
Relative Humidity	5% to 95% non-condensing
Altitude	0-10,000 feet
Cooling	Convectional - non vented case

Mechanical

Case and Dimensions	9.0L x 2.9W x 2.0H (in) 229L x 74W x 51H (mm)
Case Material	Black 94V0 polycarbonate
Weight	24 ounces, 684 grams (excluding cord)

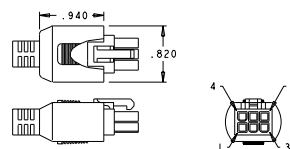
Connector

3



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	

51



Pinout Code	Molded Mini Fit Receptacle
Description	Overmolded by Ault 6 pos, Molex 39-01-2060 max. wire 18AWG or equivalent
Suggested Mating	Plug Molex 39-01-2060 or 3063
Other Connectors are available by special order	



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