

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						
MW122	R	А	12	ХХ		01
Product Family Name	Manufacturing Location (volume dependent)	Design Revision Changes	Voltage DC	Connector #51 - Standard for12V model; Connector #3 -Standard for 24V model.	Input Configuration/ Model Type (see pg. 2)	Standard (no modifications, special artwor or special packaging)





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

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

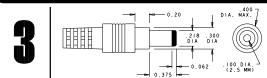
Environmental

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

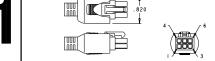
Mechanical

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



760 plug or equivalent
712A jack or equivalent



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

