MW128

MEDICAL 13-32 WATT SERIES

MW128 SWITCH-MODE POWER SUPPLY

- 100-240 VAC Universal Input
- Desktop Style or Wallplug Style
- Single Output to 32W
- 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
- 1 Year Warranty
- Modified and Custom Designs Also Available

MW128

Ault Part No.	Voltage DC	Max Amps	Max Watts
MW128XA0303_01	3.3V	4.00	13.2
MW128XA0503_01	5V	4.00	20.0
MW128XA0703_01	7V	3.50	24.5
MW128XA0903_01	9V	3.00	27.0
MW128XA1203_01	12V	2.50	30.0
MW128XA1503_01	15V	2.00	30.0
MW128XA1803_01	18V	1.67	30.1
MW128XA2403_01	24V	1.33	31.9

Ault Part No. Key

MW128	X	A	05	03	__	01
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

AULT INCORPORATED
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Input

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

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. @ 120VAC,
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	CURus2601, TUV/IEC EN60601-1

Electrical

Topology	Switching-fixed frequency flyback
Dielectric Withstand	4000 VAC, 5656 VDC primary-secondary 500 VDC secondary-ground
Spacing	8mm primary-secondary
Leakage Current (ground)	Less than 500 uA Minimum 75%
Efficiency	TBD Minimum
EMI	Complies with EMC Directives
CE	CE Compliant
MTBF	100,000 Calculated Hours Minimum

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	3.74L x 2.13W x 1.26H (in) 95.0L x 54.0W x 32.0H (mm)
Case Material	Black 94V0 polycarbonate
Weight	7 ounces, 198 grams

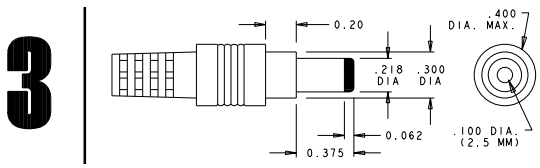
Input Configuration

IEC320 w/ground C14 (F)	IEC320 w/o ground C18 (Q)	N. America/ Japan (B)	Europe (M)	United Kingdom (G)	Shaver C8 (N)

Inlet type: IEC320-C14, C18, C8
Plug type: NA, EURO, UK, SAA

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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