



ETA-USA

HIGH QUALITY SWITCHING POWER SUPPLIES

AC/DC MEDICAL GRADE SWITCHING
DESKTOP ADAPTER
POWER SUPPLY
SINGLE OUTPUT / UNIVERSAL RANGE INPUT
100 WATTS

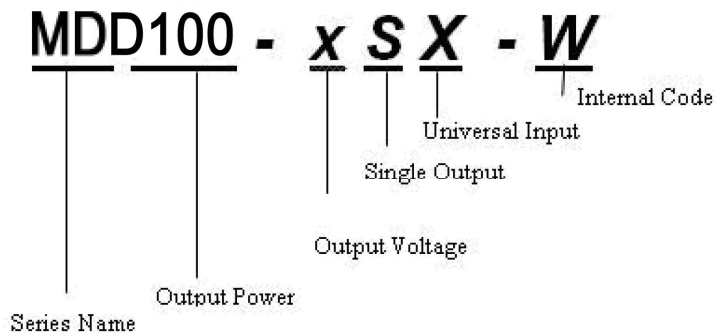
MDD100-xSX-W Series



Dimension: L170×W64.8×H38.5mm



General Description



Features

1. High Reliability
2. 100% BURN-IN Tested
3. 100% Hi-Pot tested
4. Safety Approvals, EMC compliance
5. 2-year warranty
6. OVP (Over Voltage Protection), OPP (Over Power Protection), SCP (Short Circuit Protection)

Input

Input Voltage Range: 90-264VAC

Frequency: 47-63Hz

Input Current: 2A max.

Efficiency : 5V>75%@ full load, 115VAC
12~48V>85% (meet CEC2008)

Output Characteristic	Unit	MDD100-12SX-W	MDD100-13.5SX-W	MDD100-15SX-W	MDD100-19SX-W	MDD100-20SX-W	MDD100-24SX-W
Output Voltage	Vdc	12	13.5	15	19	20	24
Output Current	A	7.5	6.6	6.6	5.8	5.5	4.6
Output Power	W	90	90	100	110	110	110
O/P Regulation	%	5	5	5	3	3	3
Line Regulation	%	<1%					
Ripple & Noise (mVp-p) *	mVp-p	120	135	150	190	200	240
Hold-up time	mS	>10 ms typical at full load @ 115VAC					

1. Peak-to-peak with 20MHz bandwidth with a tantalum 10uF in parallel with a 0.1uF ceramic capacitor.
2. AC INLET : IEC 320-C14 (3PIN)



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16170 Vineyard Blvd. Suite 180, Morgan Hill, CA 95037
Phone: 1-800-ETA-POWR, (408) 778-2793 Fax: (408) 779-2753

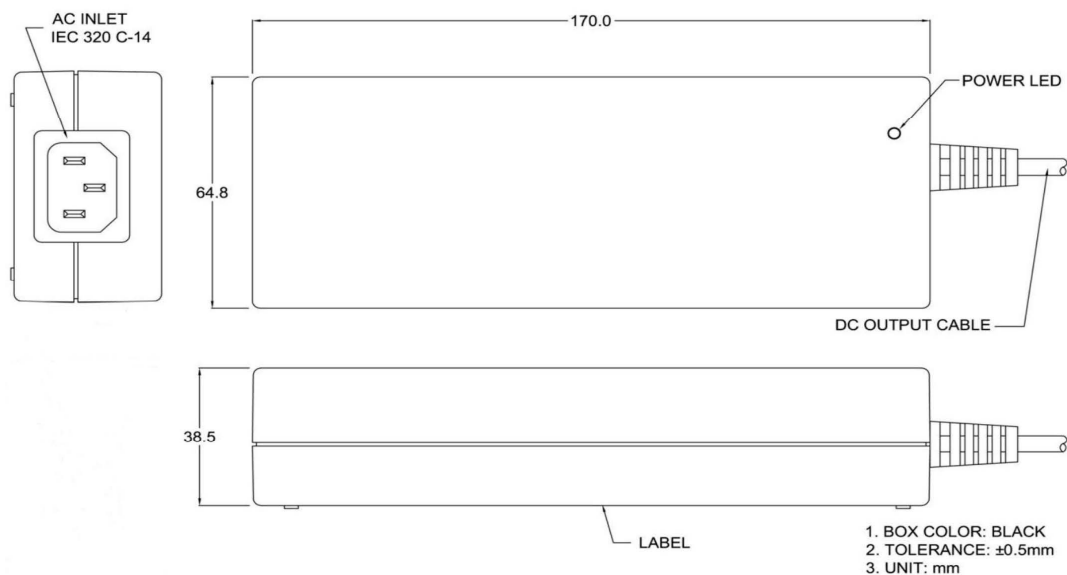
Visit us at: www.eta-usa.com
email at: sales@eta-usa.com



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Environmental Specification	
Operating Temperature	0 to +40°C
Storage Temperature	-10 to +70°C
MTBF demonstrated	>100,000 hours at full load and 25 °C ambient temperature
Environmental Agencies	
Safety Standards	UL 60601-1 TUV EN60601-1 CB IEC 60601-1
EMC Standards	FCC Part 18 Class B, EN55011 Class B, EN 60601-1-2, CE
Protection	
Short circuit protection	Auto restart
Over Voltage Protection	Latch
Over power protection	Auto restart
Mechanical	
Dimension [mm]: L170×W64.8×H38.5mm AC Input: IED 320-C14 inlet	
Dimensions	



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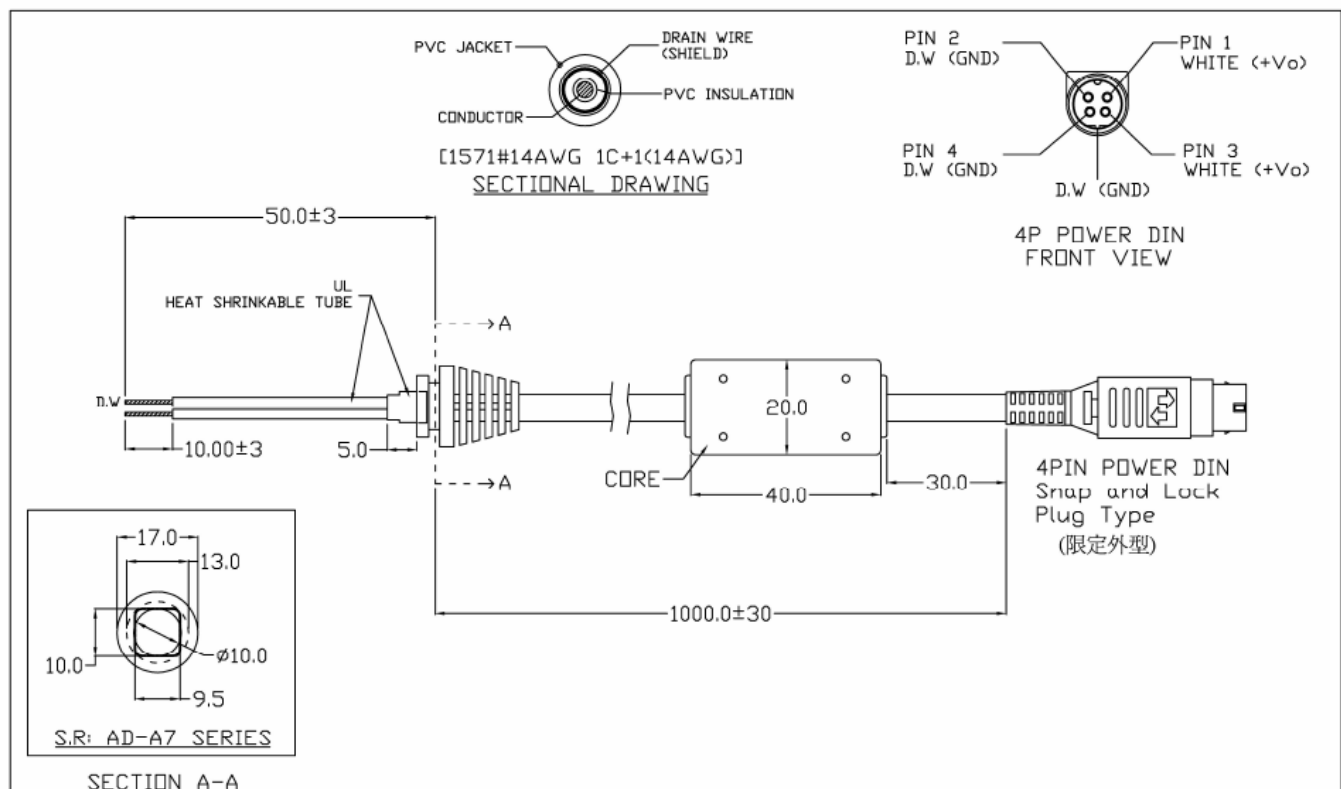
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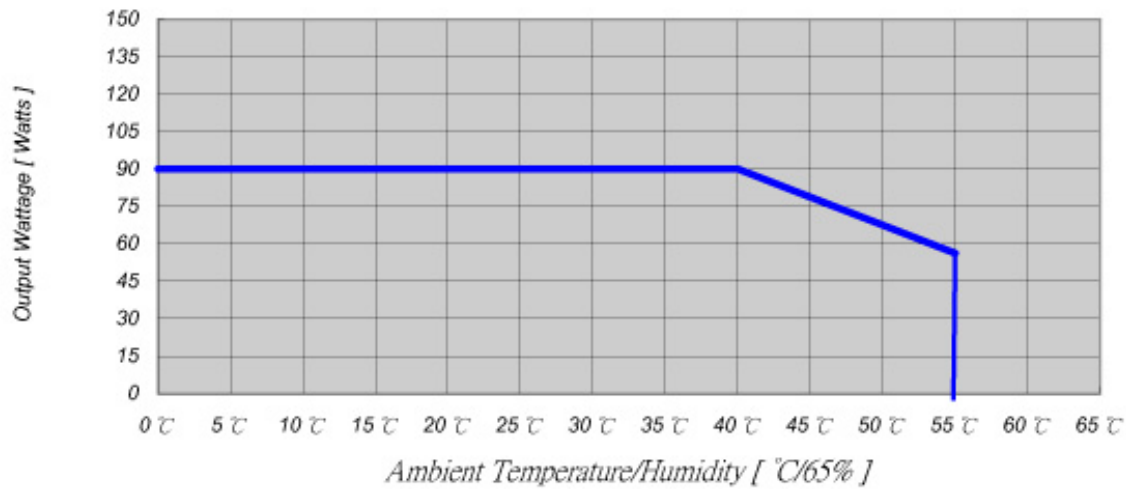


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HIGH QUALITY SWITCHING POWER SUPPLIES

Derating

MDD100 Power Derating Curve



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