

150 Watt

**AC/DC - Converter
Medical Open Frame 3 x 5 Inch**



- o Universal Input 90-264 VAC
- o Active PFC Meets EN61000-3-2 Class D
- o Efficiency up to 93%
- o Continuous Short Circuit Protection
- o Meets EN55011 Class B, EN60601-1 and CISPR/FCC Class B
- o No Load Power Consumption <0.5 W



MODEL NUMBER	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	VOLTAGE ACCURACY	RIPPLE & NOISE ¹⁾	% EFF
ACS150PM-12	12 VDC	12.5 A	0 A	±1%	1%	90
ACS150PM-24	24 VDC	6.25 A				92
ACS150PM-36	36 VDC	4.17 A				93
ACS150PM-48	48 VDC	3.13 A				93

NOTE:

1. Add a 0.1 µF ceramic capacitor and a 10 µF E.L. capacitor to output for Ripple & Noise measuring @ 20 MHz BW.

SPECIFICATIONS

All Specifications Typical At Nominal Line, 75% Load, and 25°C Unless Otherwise Noted

INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC
Input Frequency	47 to 63 Hz
Inrush Current at 240 VAC	110 A max.
Leakage Current	0.3 mA max.

OUTPUT SPECIFICATIONS

Isolation	Input to Output = 5656 VDC
Hold-up Time	16 ms
Over Voltage Protection	Recycle AC Input to Restart
Short Circuit Protection	Hiccup Mode (Auto Recovery)
Temperature Coefficient	±0.05%/°C
Line Regulation ¹⁾	±0.5%
Load Regulation ²⁾	±1%

NOTE

1. Line Regulation is measured from High Line to Low Line with full Load.

2. Load Regulation is measured from Full to 10% Load.

GENERAL SPECIFICATION

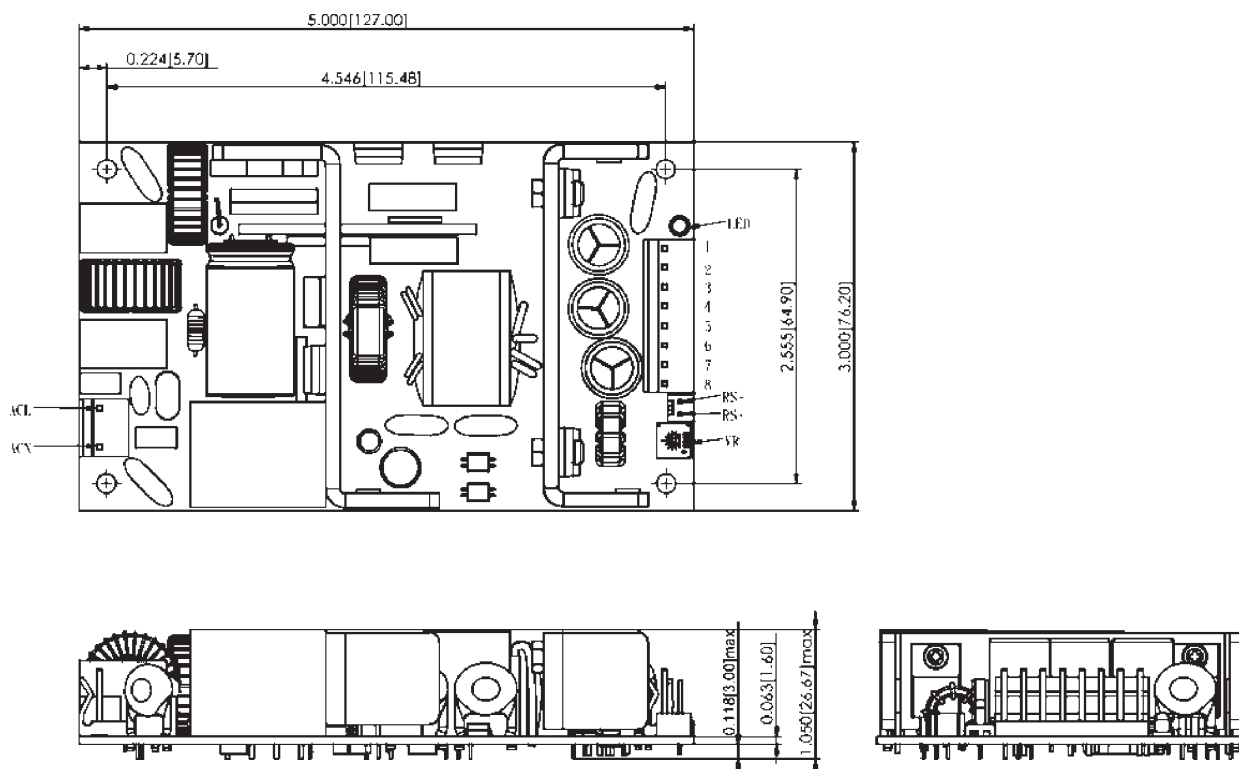
Operating Temperature Range	-20°C to +60°C (see derating curve)	
Storage Temperature Range	-20°C to +85°C	
Humidity	93% RH max. non-condensing	
Altitude	3000 m	
Cooling	Natural Convection	
Switching Frequency	90 kHz	
EMI	EN55011 Class B, FCC Part 15 Class B EN60601-1-2, EN61000-3-2 Class A, B, C, D, EN61000-3-3	
Safety Standards	IEC60601-1, EN60601-1, UL60601-1	
Classification Leakage Current	Class I 2 MOPP	
Dimensions Open-Frame	127.00 x 76.20 x 26.67 mm (5.00 x 3.00 x 1.05 Inches)	
Weight	270 g (0.6 Pounds)	
Connectors	AC Input Connector DC Output Connector	Molex 5277 or equivalent Molex 5273 or equivalent
Output Pins	1, 2, 3, 4 5, 6, 7, 8	-Vout +Vout

SPECIFICATIONS

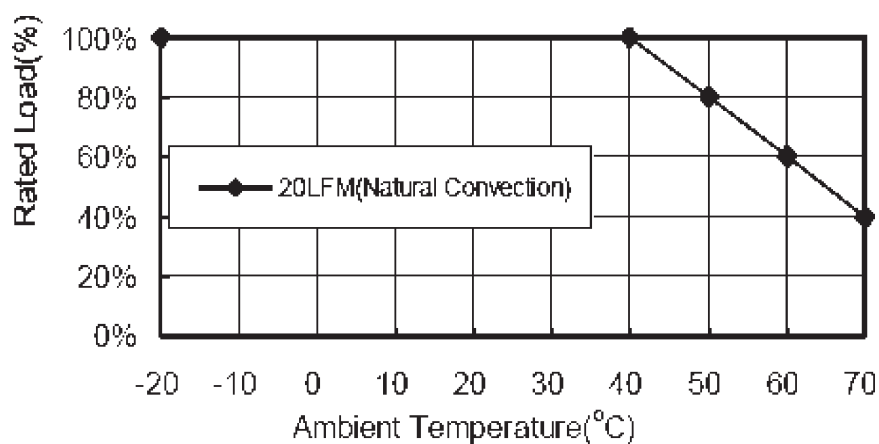
All Specifications Typical At Nominal Line, 75% Load, and 25°C Unless Otherwise Noted

MECHANICAL SPECIFICATIONS

All Dimensions are in inches[mm]
 Tolerances : Inches : x.xxx=±0.02
 Millimeters : x.xx=±0.5



Typical at 25°C, nominal line and 75% load, unless otherwise Specified

DERATING DIAGRAM**NOTICE:**

The information in this document has been carefully checked. However, no responsibility is assumed for inaccuracies! Specifications can be changed without notice. The latest and most complete information can be found on our website.