

3"W x 2.18"L x 0.93"H

- Universal 90-264VAC Input
- High Efficiency
- Regulated Outputs
- 4000VAC Isolation
- Single Output from 3.3 to 24 VDC



Model Number	Output Voltage	Output Amps (max)	(pk)
ASM-1500	3.3 VDC	3.5A	3.8A
ASM-1501	5 VDC	3A	3.6A
ASM-1502	12 VDC	1.25A	1.5A
ASM-1503	15VDC	1A	1.25A
ASM-1505	24VDC	0.63A	0.75A



## 15W Ultraminiature Medical Grade Switching Power Supplies

## ASM15 series

### INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC; (100-240 Nominal)
Frequency Range	47-63 Hz
Inrush Current, typ:	20A @ 100VAC Input *
	40A @ 200VAC Input *
Leakage Current	<0.3mA @ 264VAC, 50Hz

### OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Chart
Load Regulation	+/- 3%
	(20% to 100% Load)
Line Regulation	+/- 0.1~1%, typ
Preset Accuracy	1%
DC Voltage Adjust (typ)	+/- 6% of FS (Primary)
Temperature Coefficient	+/-0.03%/°C
Ripple/Noise	100mV Pk-Pk, typ
Over Voltage Protection	Clamp, 130-150% *
Short Circuit Protection	Continuous, self-recovering
Hold Up Time	20 mS, typ at Nom.Input Voltage

### GENERAL SPECIFICATIONS

Isolation	I/P-O/P: 4000VAC
Efficiency	72%~78%, typ (70% for 3.3 Vout)
Switching Frequency	100Khz, (fixed, typical)
Safety UL/cUL:	ANSI/AAMI ES60601-1 3rd ed.
	CSA C22.2 No. 60601-1 3rd ed.
UL-EU:	EN60601-1 3rd ed.
CB:	IEC60601-1 3rd ed.
CE:	EN60601-1-2

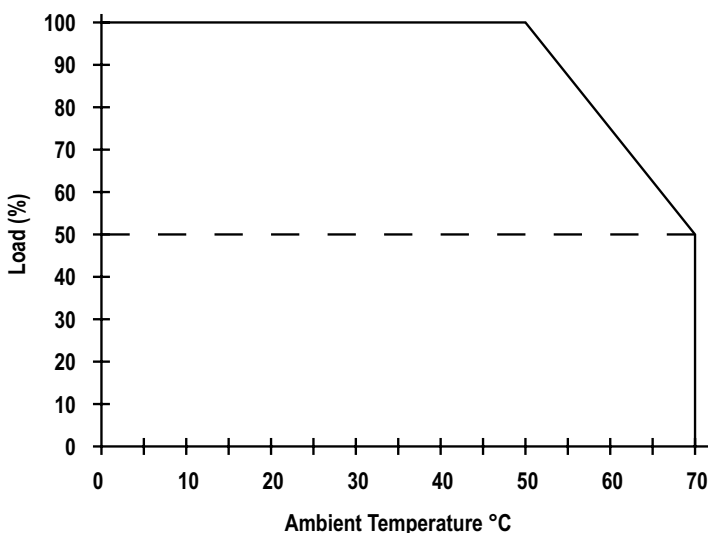
### PHYSICAL SPECIFICATIONS

Size	3" x 2.18" x 0.93"
Construction	Open Frame
Weight	2.5oz (70g)
Connectors: Molex P/N:	50-37-5043 (Input)
	50-37-5043 (Output)
	Contact: 08-70-1040

### ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	0 to +50°C(FL)
Storage Temperature	-25 to +71°C *
Relative Humidity	0 to + 95%, non-cond *
EMC	EN55011 Class A
MTBF	180,000 Hrs
	Mil Std 217, 25°C

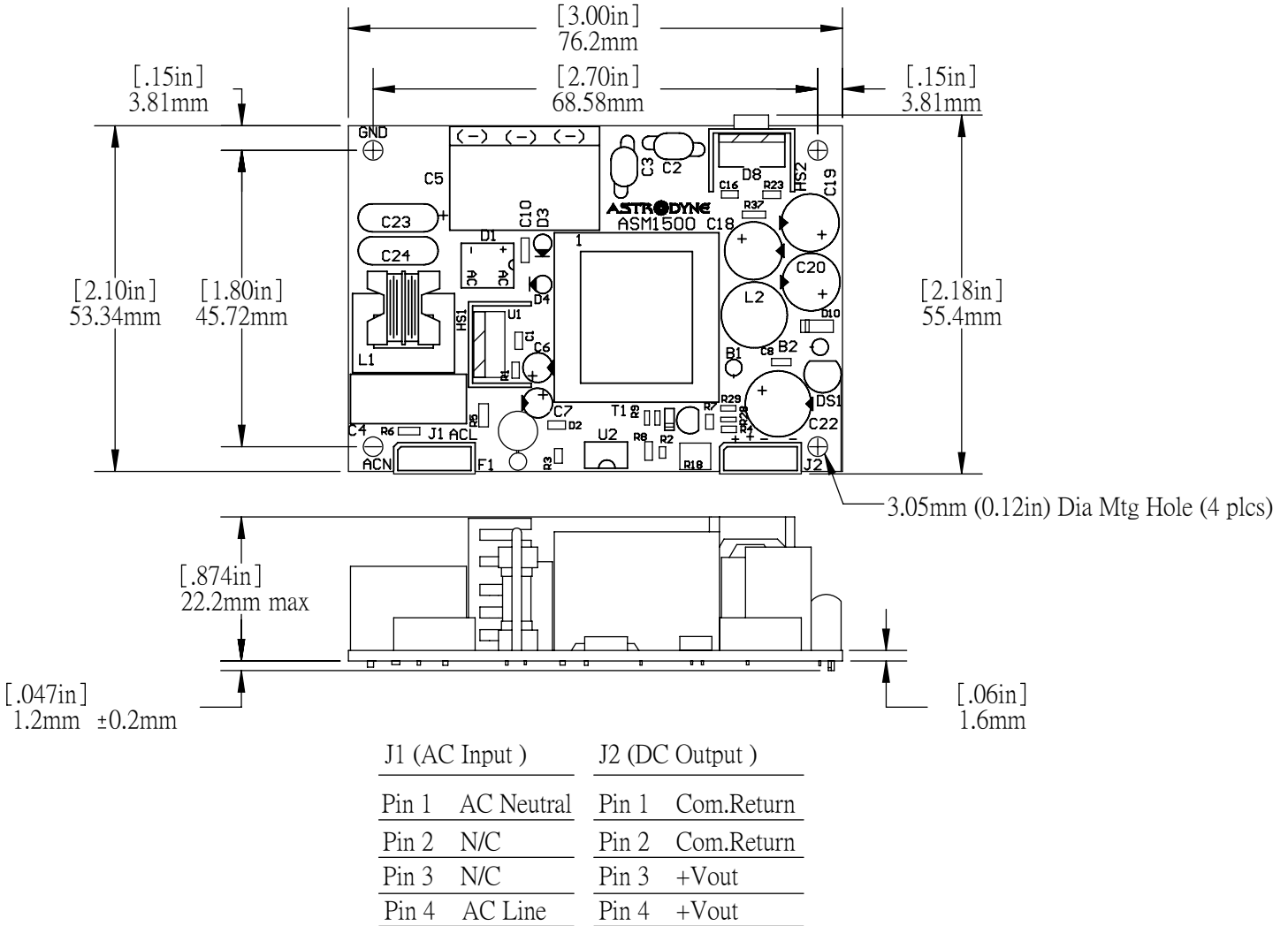
### OUTPUT DERATING CURVE



All specifications are typical at nominal input, full load, and 25°C unless otherwise noted

\* These are stress ratings. Exposure of the devices to any of these conditions may adversely affect long term reliability. Proper operation under conditions other than the standard operating conditions is neither warranted nor implied.

**MECHANICAL DIMENSIONS**



Input connector : Molex 22-43-8040 or equivalent  
 Output connector : Molex 22-43-8040 or equivalent  
 Length & Width tolerance : ± 0.1mm (0.004in )