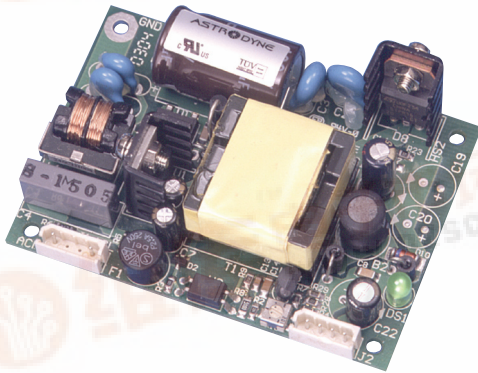


ASTRODYNE

15W Ultraminiature Medical Grade Switching Power Supplies

ASM15 series



3"W x 2.10"L x 0.86"H

- Universal 85-265VAC Input
- High Efficiency
- Regulated Outputs
- 4000V Isolation
- UL60601-1, EN60601-1 & IEC60601-1
- 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





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INPUT SPECIFICATIONS

Input Voltage Range	85-265 VAC
Frequency Range	47-63 Hz
Inrush Current, typ:	20A @ 100VAC Input *
	40A @ 200VAC Input *

OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Chart
Load Regulation	+/- 3%
	(20% to 100% Load)
Line Regulation	Singles +/- 0.1~1%, typ
Cross Regulation (Duals)	2%
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% *
Over Temp. Protection	Latching, Cool and Repower
Short Circuit Protection	Continuous, self-recovering
Hold Up Time	20 mS, typ

GENERAL SPECIFICATIONS

Isolation	I/P-O/P: 4000VAC
	I/P-Ground: 2500VAC
	O/P-Ground: 1000VAC
Efficiency	75%~78%, typ
Switching Frequency	100Khz, (fixed, typical)
Safety	UL60601-1, EN60601-1, IEC60601-1

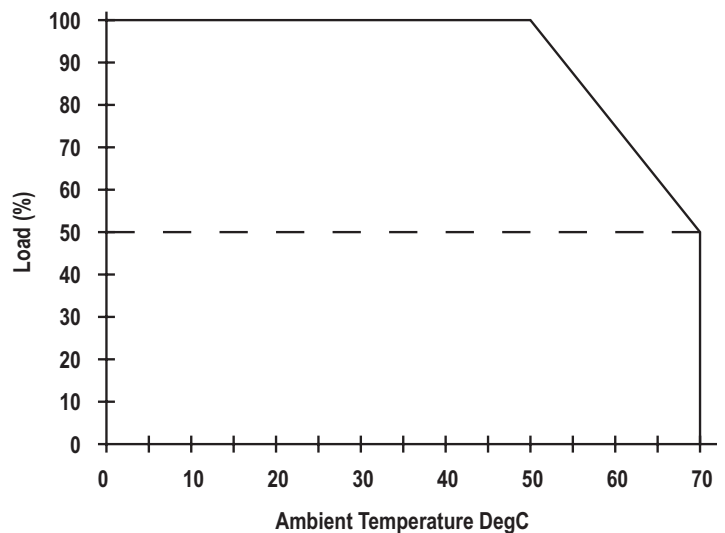
PHYSICAL SPECIFICATIONS

Size	3" x 2.10" x 0.85"
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	FCC/A, VDE 0871/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.

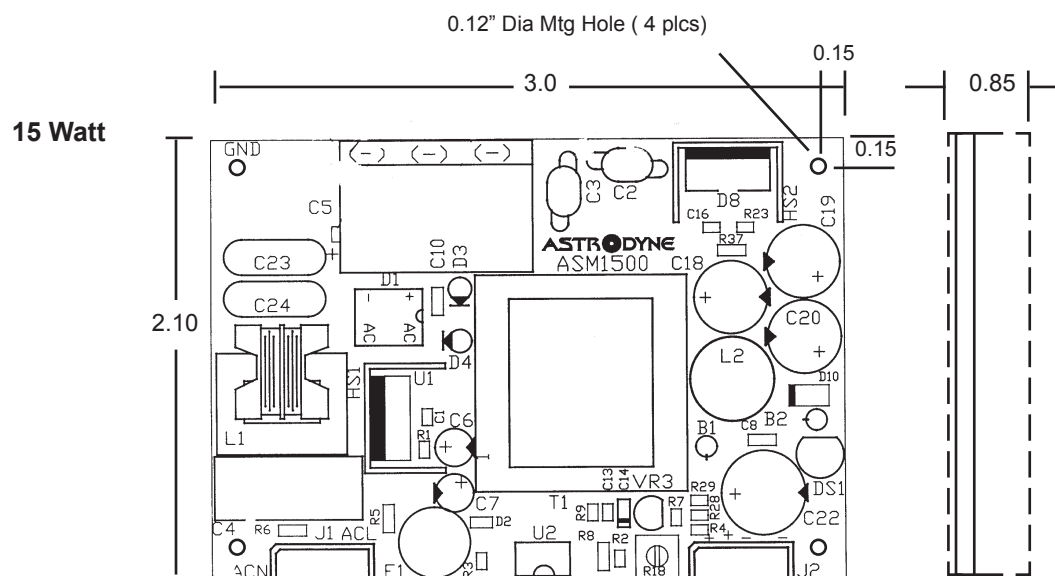
Astrodyne products are not authorized or warranted for use as critical components in life support systems, equipment used in hazardous environments, nuclear controls systems, or other mission-critical applications.



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MECHANICAL DIMENSIONS



J1 (AC Input)

Pin 1	AC Neutral
Pin 2	N/C
Pin 3	N/C
Pin 4	AC Line

J2 (DC Output)

Pin 1	Com. Return
Pin 2	Com. Return
Pin 3	+Vout
Pin 4	+Vout