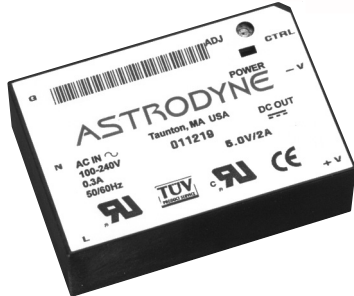




10W Medical Grade Ultraminiature Switching Power Supply

MSSA-0101/C



2.56"L x 1.77"W x 0.83"H

- Single 5VDC Output
- Universal 90 to 264VAC Input
- 4,000VAC Input to Output Isolation
- PCB Mount Package
- Full Safety Approvals



Model Number	Output Voltage	Output Amps	Output Watts
SINGLE OUTPUT - PCB Mount			
MSSA-0101/C	5 VDC	2	10W



Fully Approved
 UL/CSA22.2 2601 File# E167432
 EN60601-1 File# B021022749033



10W Medical Grade Ultraminiature Switching Power Supply

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INPUT SPECIFICATIONS

Input Voltage, Nominal	90-264VAC Nominal: 100-240VAC
Input Frequency	47-440 Hz, 50-60Hz Nom.
Inrush Current	20A @ 100VAC, typ 40A @ 200VAC, typ
Leakage Current	<500UA @ 264VAC, 50Hz

OUTPUT SPECIFICATIONS

Output Voltage/Current	See Specific Model
Initial Accuracy	+/-1%, adjustable
Voltage Adjust	+/-6%, typ
Load Regulation	+/-0.3%, typ
Line Regulation	+/-0.3%, typ
Temperature Coefficient	+/-0.03%/°C
Ripple/Noise(20Mhz BW)	150mV Pk-Pk, typ
Overvoltage Protection	Clamp, 130-150% *
Hold Up Time	30mS, typ
Short Circuit Protection	Continuous, self-recovering *
Current Limit	130% typ, Self-Reset Foldback

GENERAL SPECIFICATIONS

On/Off Control	Open Collector Logic "1"/Open=ON Logic "0"/GND=OFF
Input-Out Isolation	4000VAC
Output-Ground Isolation	1000VAC
Input-Ground Isolation	2500VAC
Operating Frequency	140 Khz, fixed
Efficiency (@ Full Load)	75 - 80%, typ

ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	0 to +50°C FL See Derate * (Free-air Convection)
Relative Humidity	0-95%, Non-Condensing
Storage Temperature	-25 to +71°C *
MTBF, Single/Multi Output	180,000 Hrs/110,000 Hrs Mil Std 217, 25°C

PHYSICAL SPECIFICATIONS

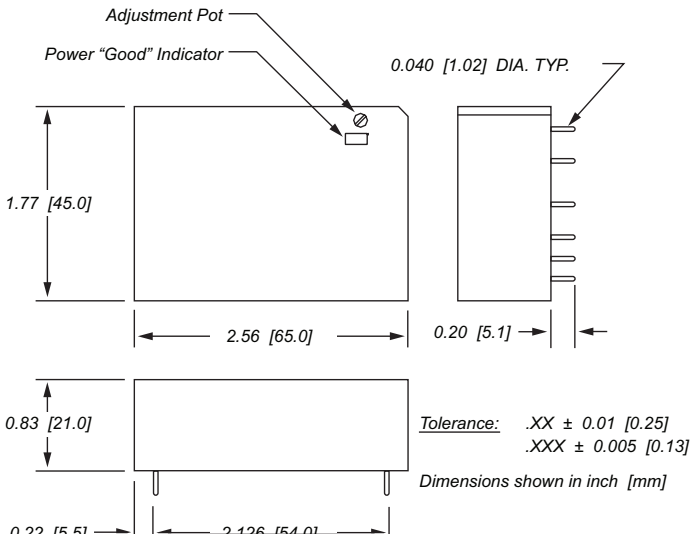
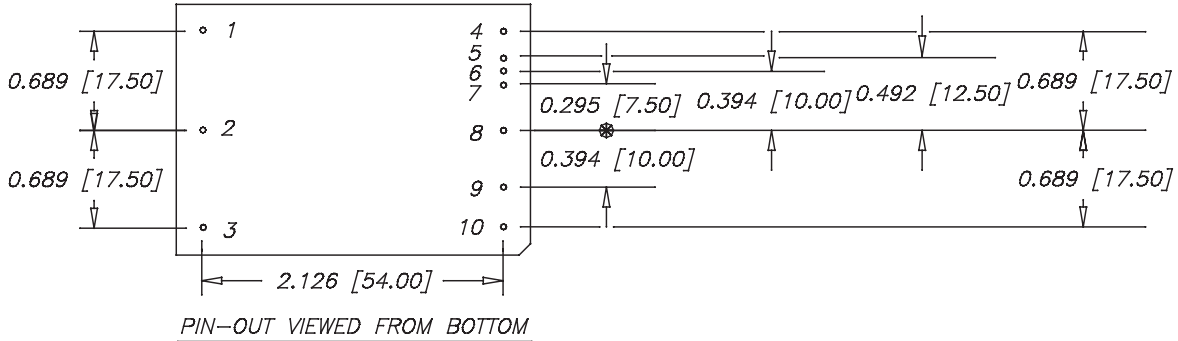
Case Material	Rynite, 94V-0 Rated
Construction	Encapsulated, Soft Pot
Weight	4.6 oz (128g)

All specifications are typical at nominal input, full load, and 25DegC 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.

MECHANICAL DIMENSIONS - PCB MOUNT



Pin#	Function
1	AC HI
2	AC LO
3	GND
4	No Pin
5	No Pin
6	+Vout
7	No Pin
8	No Pin
9	-Vout
10	Ctrl

PERFORMANCE CURVES

