

3"W x 5"L x 1.7"H

- Universal 90-264VAC Input
- Compact Footprint
- High Efficiency
- Regulated Outputs
- 5656VDC Isolation
- Built in EMI Filter



<u>Model Number</u>	<u>Output Voltage</u>	<u>Output Amps (max)</u>	<u>Ripple/Noise pp,typ</u>
MMK75S-12	12 VDC	6.25	120mv
MMK75S-15	15 VDC	5	150mv
MMK75S-24	24 VDC	3.125	120mv



Medical Grade 75 Watt Enclosed Switching Power Supplies

**MMK75S** series

### INPUT SPECIFICATIONS

Input Voltage Range	90-264 VAC
Frequency Range	47-63 Hz
Inrush Current, typ:	20A @ 115VAC Input *
	40A @ 230VAC Input *
Leakage Current	<500UA @ 264VAC, 50Hz

### OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Chart
Load Regulation (NL-FL)	± 0.5%, typ
Line Regulation	± 0.5%, typ
Voltage Tolerance	± 1%, typ
DC Voltage Adjust (typ)	6% of FS, typ
Temperature Coefficient	± 0.03%/°C
Ripple/Noise	1% Pk-Pk, typ
Over Voltage Protection	Clamp *
Short Circuit Protection	Indefinite
Hold Up Time	20mS, typ (Nom I/P, FL)
Turn On Time	≤ 1.0 sec, typ
Rise Time	≤ 25 msec, typ
Over/Under Shoot	< 10% of FS
Leakage Current	≤ 0.3 mA @ 240VAC, 50 Hz

### GENERAL SPECIFICATIONS

Isolation	I/P-O/P: 5656VDC
	I/P-Ground: 3535VDC
Efficiency	82%, typ
Switching Frequency	135Khz, typ
Safety	UL60601-1, EN60601-1, IEC60601-1
MTBF	100,000 Hours

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.

### ENVIRONMENTAL SPECIFICATIONS

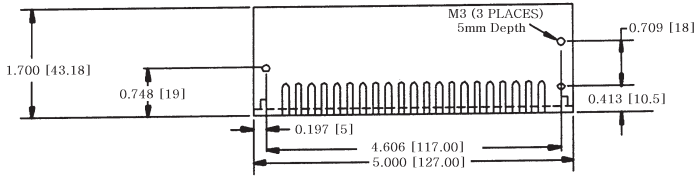
Oper. Temperature	0 to +60°C (see derate)
Over Temp Protection	Latching, recoverable after cooling and re-power
Storage Temperature	-25 to +71°C *
Relative Humidity	10% to + 95%, non-cond *
EMI (Designed to Meet)	EN55011, Class B

### PHYSICAL SPECIFICATIONS

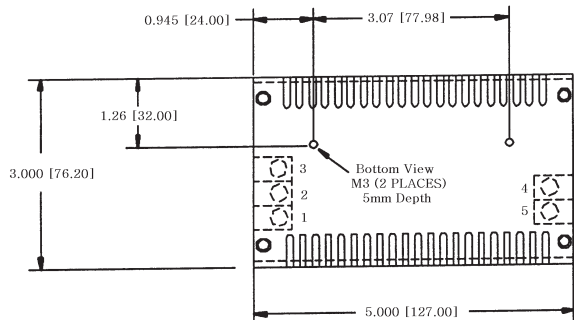
Size	5" x 3" x 1.7"
Construction	Enclosed
Weight	12 oz, (340g)

**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



DIMENSIONS ARE IN INCHES [mm]  
TOLERANCES .XXX +/- .010 [254]



Pin #	Outputs
1	ACL
2	ACN
3	GND
4	- Output
5	+ Output

### OUTPUT DERATING CURVE

