ASTRODYNE

Compact 75 Watt Enclosed Switching Power Supplies

MK75S series



3"W x 5"L x 1.7"H

- Universal 90-264VAC Input
- Compact Footprint
- High Efficiency
- Regulated Outputs
- 3000V Isolation
- Built in EMI Filter

Model Number	Output Voltage	Output Amps (max)	Ripple/Noise pp,typ
MK75S-12	12 VDC	6.25	120mv
MK75S-15	15 VDC	5	150mv
MK75S-24	24 VDC	3.125	120mv

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Order On-Line!
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300 Myles Standish Blvd., Taunton, MA 02780
Ph: 1-800-823-8082 Fax: 508-823-8181

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INPUT SPECIFICATIONS

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

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

GENERAL SPECIFICATIONS

Isolation	I/P-O/P: 3000VAC
	I/P-Ground: 2500VAC
	O/P-Ground 1000VAC
Efficiency	82%, typ
Switching Frequency	135Khz, typ
Safety	EN60950, IEC60950
	UL60950
MTBF	100,000 Hours

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)

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 warranteed nor implied.

Astrodyne products are not authorized or warranteed 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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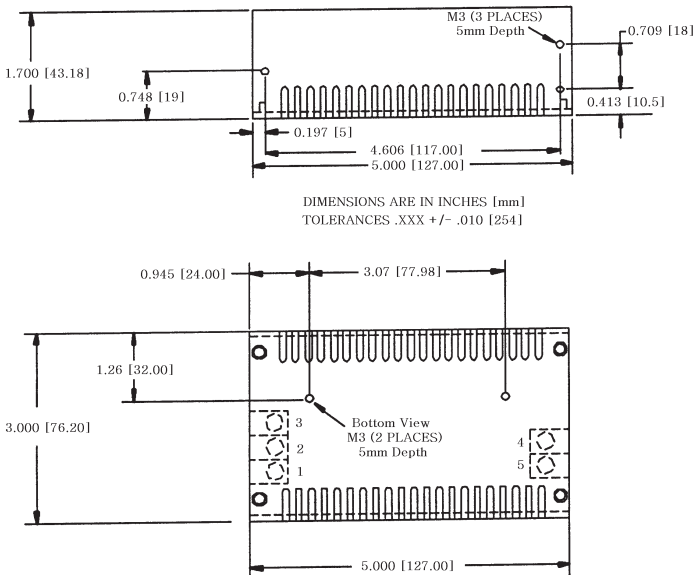
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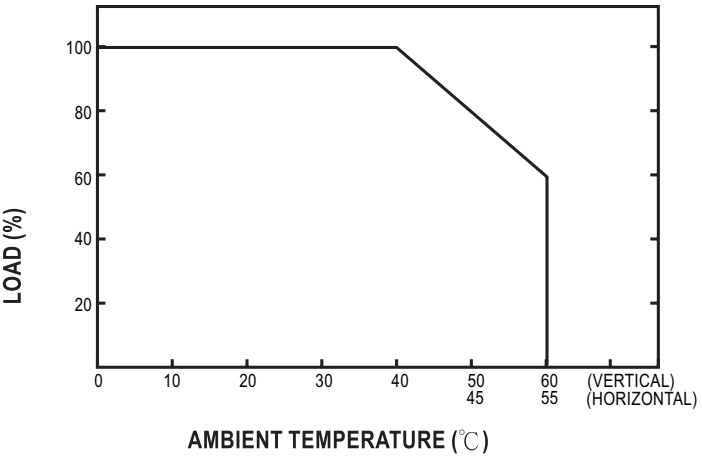
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MECHANICAL DIMENSIONS



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

OUTPUT DERATING CURVE



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