

2.75"W x 1.89"L x 0.91"H

- Universal 85-265VAC Input
- High Efficiency
- Regulated Outputs
- 3000V Isolation
- Single Outputs
- UL60950 & EN60950 Approved
- Optional 0.156" Spaced Connectors, or PCB Mount Configuration



Model Number	Output Voltage	Output Amps(max)	Ripple pk-pk	Efficiency
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### 0.156" SPACED CONNECTORS

LFM20-3.3	3.3 VDC	4.4A	50mV	70%
LFM20-5	5 VDC	4.4A	1%	73%
LFM20-9	9 VDC	2.45A	1%	77%
LFM20-12	12 VDC	1.8A	1%	80%
LFM20-15	15VDC	1.4A	1%	80%
LFM20-24	24VDC	0.92A	1%	82%

### PCB MOUNT (Pins)

LFM20-3.3P	3.3 VDC	4.4A	50mV	70%
LFM20-5P	5 VDC	4.4A	1%	73%
LFM20-9P	9 VDC	2.45A	1%	77%
LFM20-12P	12 VDC	1.8A	1%	80%
LFM20-15P	15VDC	1.4A	1%	80%
LFM20-24P	24VDC	0.92A	1%	82%



### INPUT SPECIFICATIONS

Input Voltage Range	85-265 VAC
Frequency Range	47-63 Hz
Inrush Current, typ:	20A@100V, 40A@200V Input *
Leakage Current	3.5mA max.

### OUTPUT SPECIFICATIONS

Voltage and Current	See Selection Chart
Load Regulation (10%-FL)	+/- 1%
Line Regulation (LL-HL, FL)	+/- 0.5%
Voltage Accuracy	+/- 1%
Temperature Coefficient	+/-0.05%/°C
Ripple/Noise	See Selection Chart (NOTE 1)
Short Circuit Protection	Continuous
Hold Up Time	16 mS, typ @ 115VAC

### GENERAL SPECIFICATIONS

Input-Out Isolation	3000VAC
Efficiency	See Selection Chart
Safety	UL60950, EN60950

### PHYSICAL SPECIFICATIONS

Size		
0.156 Connectors	3.5" x 2.0" x 0.80" (NOTES 2 & 3)	
PCB Pins	3.5" x 2.0" x 1.0"	
Construction	Open Frame	
Weight		
0.156 Connectors	3.1 oz (88g)	
PCB Pins	3.3 oz (93g)	

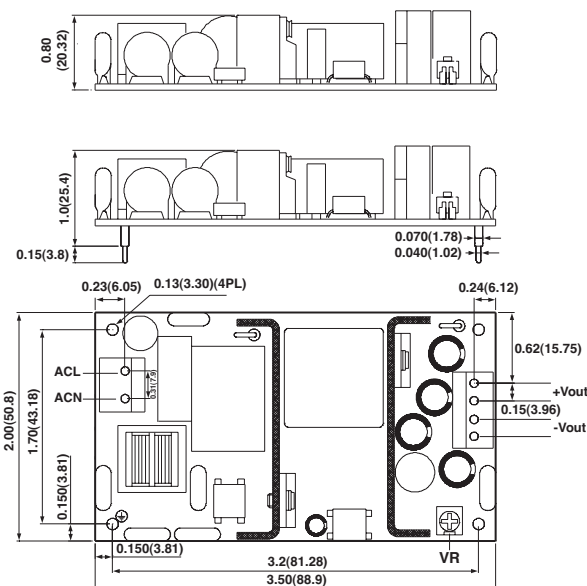
### ENVIRONMENTAL SPECIFICATIONS

Oper. Temperature	0 to +45°C
Cooling	Free Air Convection
Storage Temperature	-20 to +85°C *

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.

### MECHANICAL SPECIFICATIONS



### NOTES:

- 1) Add a 0.1uF ceramic capacitor and a 10uF E.L.capacitor to output for Ripple & Noise (R & N) measuring @ 20MHz BW.
- 2) Input Connector Mates with Molex Housing 09-50-3031 and Molex 2878 Series Crimp Terminal
- 3) Output Connector Mates with Molex Housing 09-50-3041 and Molex 2878 Series Crimp Terminal

**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.**