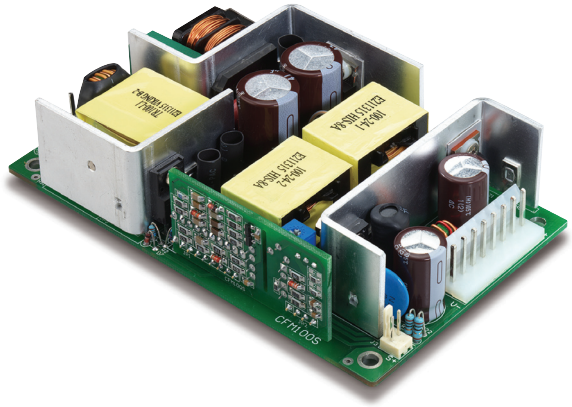
ASTRODYNE

100W Ultraminiature Open Frame Switching Power Supplies

LFM100 series



3"W x 5"L x 1.24"H
3"W x 5"L x 1.34"H (5V Output)

- Universal 85-265VAC Input
- High Efficiency
- Regulated Outputs
- 3000V Isolation
- Single Outputs
- UL60950 & EN60950 Approved

Model Number	Output Voltage	Output Amps(max)
0.156" SPACED CONNECTORS		
LFM100-5	5 VDC	20A
LFM100-9	9 VDC	11.2A
LFM100-12	12 VDC	8.4A
LFM100-15	15VDC	6.7A
LFM100-18	18VDC	5.6A
LFM100-24	24VDC	4.2A
LFM100-48	48VDC	2.1A

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	85-265 VAC (See Note 2)
Frequency Range	47-63 Hz
Inrush Current, typ:	25A@100V, 50A@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	1% (See Note 1)
Short Circuit Protection	Continuous
Over Voltage Protection	Auto Recovery
Hold Up Time	20 mS, typ @ 115VAC

GENERAL SPECIFICATIONS

Input-Out Isolation	3000VAC
Efficiency	85%, typ.
Safety	UL60950, EN60950

PHYSICAL SPECIFICATIONS

Size	
5VDC Output	3" x 5" x 1.34" +/-0.04" Tol.
All Others	3" x 5" x 1.24" +/-0.04" Tol.
Construction	Open Frame

ENVIRONMENTAL SPECIFICATIONS

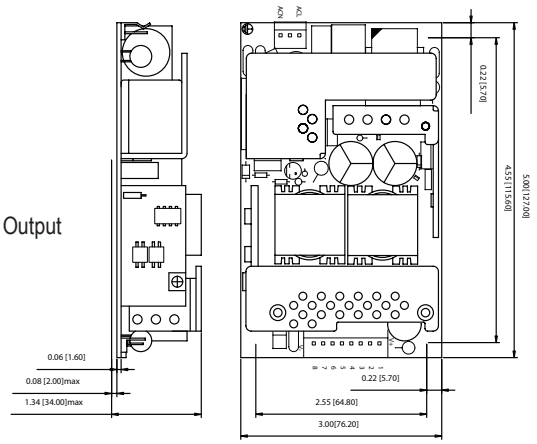
Oper. Temperature	0 to +40°C
Cooling	Free Air Convection
Storage Temperature	-20 to +85°C *

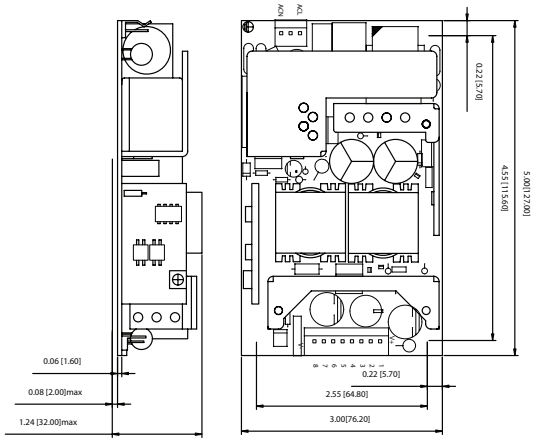
All specifications are typical at nominal input, full load, and 25°C unless otherwise noted

* 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.

MECHANICAL SPECIFICATIONS

5 Volt Output





Pin #	Output Pin Functions
1, 2, 3, 4	+ Output
5, 6, 7, 8	- Output

NOTES:

1) LFM5/9/12: Add a 0.1uF ceramic capacitor and a 220uF E.L.capacitor to output for Ripple & Noise (R & N) measuring @ 20MHz BW.
   All Others: Add a 0.1uF ceramic capacitor and a 10uF E.L.capacitor to output for Ripple & Noise (R & N) measuring @ 20MHz BW.
2) Connections:
   AC Input - Molex 5277 or Equivalent
   DC Output - Molex 5273 or Equivalent

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.

WWW.ASTRODYNE.COM

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