



EON Instrumentation Inc.

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## Product Data Sheet

Name: DC-DC Power Supply  
Model Number: M22820-2  
Part Number: 18500-300

### *General*

The M22820-2 accepts 28vdc nominal input and provides +/- 15vdc output up to 10 w each. The M22820-2 replaces the Eon M139-3. Output voltages can be +/- 3.3vdc, 5vdc, 12vdc or 15vdc and higher wattage if desired.

### *Configuration*

See Outline and Mounting Drawing.

### *Specifications for Standard Unit*

Finish: Aluminum Chassis with Chem Film Finish, One 6 pin MS3899 connector

Input Voltage Range: 18-36 VDC

Input Power (nominal): 24 Watts

Weight: 0.4 lbs

Meets (Qual by Similarity, data available upon request):

Power: Mil-Std-704, 1275

EMI: Mil-Std-461

Temperature:

Operating: -40 to +70C

Storage: -54 to +85C

Shock:

Operating: 20 G's

Crash Safety: 40 G's

Altitude: Non-Pressurized Area, Cl 1 per MIL-E-5400T (0-50,000Ft)

Humidity: Humidity, Cl 1 per MIL-E-5400T

MIL-STD-810E Method 507.3, Procedure III (Aggravated), 10ea 24 hr cycles

Salt Fog: MIL-STD-810E Method 509.3, Procedure I

Sand and Dust: MIL-STD-810E Method 510.3, Procedure I

Acceleration: +/-9 G's

Endurance Sine on Random Vibration:

MIL-STD-810E

0.103 G<sup>2</sup>/Hz (15-500Hz)

Sine Tones:

102Hz, 8.38G's Peak

204Hz, 7.45G's Peak  
 306Hz, 6.99G's Peak  
 408Hz, 6.97G's Peak  
 Operating: 3.0 hrs ea axis  
 Rapid Decompression: MIL-STD-810E Method 500.3 para II-3.3 Procedure III  
 Rain: MIL-STD-810E Method 506.3, Procedure II (Drip)

**Outline and Mounting Drawing**

