



EON Instrumentation Inc.

15531 Cabrito Road

Van Nuys, CA 91406

818-781-2185

www.eoninstrumentation.com

7/19/2018

Product Data Sheet

Name: DC-DC Power Supply

Model Number: M212300-1

Part Number: 19800-300



General

The M212300-1 accepts a nominal 12vdc input and provides +22vdc output of a minimum 300w.

Configuration

See Outline and Mounting Drawing.

Specifications for Standard Unit

Input Voltage Range: 9 – 45vdc

Output Voltage/Regulation: 22vdc +3%-10%

Output Power (min): 300 Watts

Output Ripple + Noise: <2% loads between 10% - 80%

Temperature: Operating: -40C to +71C Storage: -51C to +85C

Weight: 7.5 lbs

Size (including connectors) 10.63w"x 6.00d"x 3.00h"

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

Power: Mil-Std-704, 1275

EEE: Mil-Std-464C for electromagnetic effects

EMI: Mil-Std-461: RS101,RS103,RE102,CS101,CS114,CS115,CS116,CE102

Shock: Operating: 20 G's, Crash Safety: 40 G's

Acceleration: +/-9 G's

Endurance Sine on Random Vibration: MIL-STD-810E

0.103 G²/Hz (15-500Hz)

Sine Tones:

102Hz, 8.38G's Peak

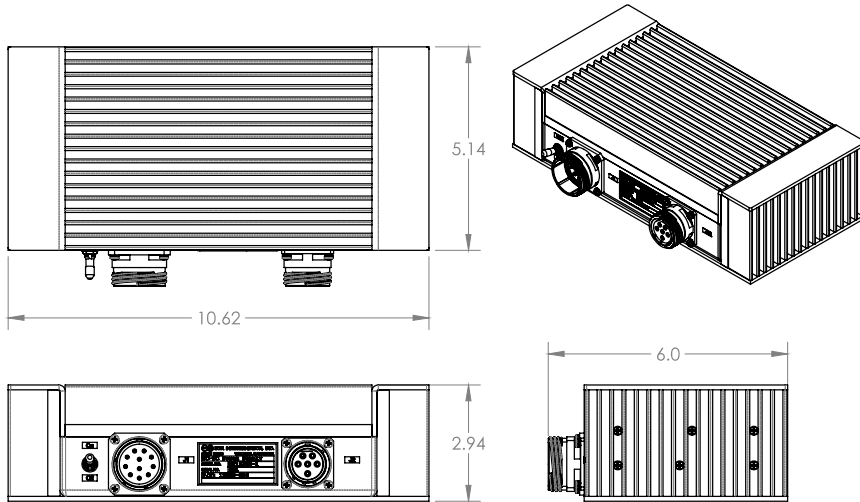
204Hz, 7.45G's Peak

306Hz, 6.99G's Peak

408Hz, 6.97G's Peak

Operating: 3.0 hrs ea axis

Thermal Shock: Mil-Std 202G, Method 107, Test Condition A
 Altitude: Non-Pressurized Area, Cl 1 per MIL-E-5400T (0-50,000Ft)
 Humidity: 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
 Rapid Decompression: MIL-STD-810E Method 500.3 para II-3.3 Procedure III
 Rain: MIL-STD-810F Method 506.4, Procedure I/II Salt and Fresh Water
 Icing/Freezing Rain: Mil-Std 810F method 521.2
 Resistance to Solvents: DS2/MilD50030 and STB/MilDTL12468E
 Fungal Growth: no fungal environment
 Explosive Atmosphere: no explosive environment



J1 PWR IN P/N D38999/20WG11PN

PIN#	SIGNAL
A	N/C
B	+12 VDC
C	N/C
D	+12 VDC
E	N/C
F	+12 VDC RTN
G	N/C
H	+12 VDC RTN
J	N/C
K	N/C
L	N/C

J2 PWR OUT P/N D38999/20WE6SN

PIN#	SIGNAL
A	+22 VDC
B	+22 VDC
C	N/C
D	+22 VDC RTN
E	+22 VDC RTN
F	N/C

Finish: Aluminum Chassis with Chem Film/Primer/Tan 686A #33446 Color

Connectors: Input D38999/20WG11PN
 Output D38999/20WE6SN

Mating Cable Connectors: Input D38999/26WG11SN
 Output D38999/26WE6PN

Outline and Mounting Drawing