



EON Instrumentation Inc.

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Product Data Sheet

Name: AC-DC Power Supply

Model Number: M141300-1

Part Number: 18400-300

General

The M141300-1 accepts 120/240vac input and provides +22vdc output up to 300w. Used for JCREW Dismount Kit and other applications

Configuration

See Outline and Mounting Drawing.

Specifications for Standard Unit

Input Voltage Range: 120/240vac, 40 – 70 Hz

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

Output Power (max): 300 Watts

Power Factor: >0.98 @ max load 120vac 40 – 70 Hz

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

Temperature: Operating: -20C to +55C Storage: -40C to +75C

Weight: 6.2 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

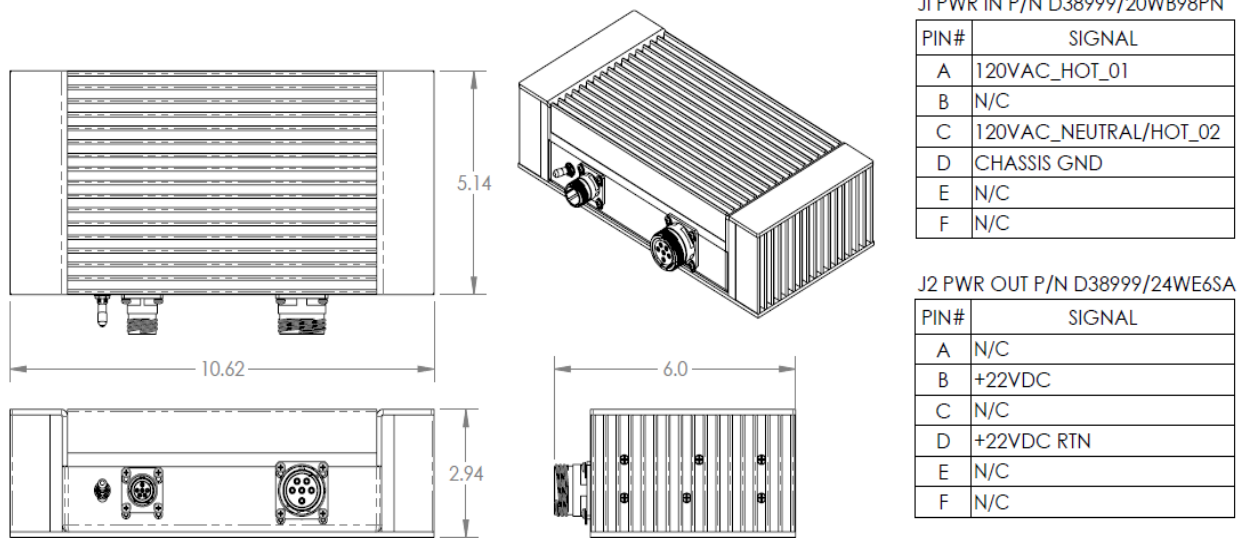
204Hz, 7.45G’s Peak

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



Connectors: input D38999/20WB98PN output D38999/24WE6SA
 Finish: Aluminum Chassis with Chem Film/Primer/ Tan 686A #33446 Color

Outline and Mounting Drawing