

DCS1000D - 1 - (56, 11)-(24, 6) P/N 94041

Behlman's DCS1000 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS1000 can accept a wide range of inputs and can supply a variety of DC outputs. These rugged power supplies are built to support the rigor of airborne, shipboard and mobile applications and designed to meet the input power requirements of MIL-STD-704 and MIL-STD-1399. Units are Base Plate cooled.

INPUT Input Transient protection: Per Mil-STD-1399
-1: 85-265 VAC, 47-440 Hz, Power Factor Corrected

OUTPUT (S): D (Dual)

| | |
|----------------------|--|
| Voltage/Current | 56 VDC +/-1% @ 11 A 24 VDC +/-1% @ 6A |
| Load Regulation: | 0.2% Maximum (0-100%) |
| Line Regulation: | 0.2% Maximum |
| PARD-Ripple & Noise: | 1% Typical |
| Current Limit: | Short Circuit and Over Current Protected |
| Over voltage: | Included |
| Efficiency: | 82% Typical |
| Remote Sense: | 0.6V compliance |



GENERAL CHARACTERISTICS-See O&C drawing 24109

Isolation
Input to Output: 1000 VDC
Input to Case: 2500 VDC
Output to Case: 200 VDC
Dimensional Data: 11.32"L X 5.0"W X 2.0"H
Weight: 5.6 lbs
J1- Input: 7W2 Type Positronics
J2- Output: 13W6 Type Positronics

ENVIRONMENTAL:

Operating Temperature: -40 to +85 degrees C Base Plate
Storage Temperature: -40 to + 100 degrees C
Designed to meet:
Shock: MIL-S-901; MIL-STD-810
Vibration: MIL-STD-167; MIL-STD-810
Humidity: MIL-STD-810
EMI/EMC: MIL-STD-461C/D
RE02/102 compliance when installed in shielded enclosure



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