

Behlman Power Products

COTS POWER SUPPLY

DCS2000S - 1 - (28, 42) P/N 94040

Behlman's DCS2000 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS2000 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): S (Single)

Voltage/Current 28 VDC +/-1% @ 42 A

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: 81% Typical
Remote Sense: 0.6V compliance



GENERAL CHARACTERISTICS- See O&C drawing 24115

Isolation
 Input to Output: 1000 VDC
 Input to Case: 2500 VDC
 Output to Case: 200 VDC
Dimensional Data: 13.97"L X 8.0"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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