Behlman Power Products

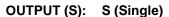
COTS POWER SUPPLY

DCS2000S-1-(28,54)

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 *



Voltage/Current 28 VDC +/-1% @ 54 A * Load Regulation: 0.2% Maximum (0-100%)

Line Regulation: 0.2% Maximum PARD-Ripple & Noise: 1% Typical

Current Limit: Short Circuit and Overcurrent Protected

Overvoltage Protection: Included

Efficiency: 73% Typical, 20-100% Load Power Power Factor: 0.8 min, 20-100% Load Power Remote Sense: 0.6V Compliance Voltage

GENERAL CHARACTERISTICS- See O&C drawing OC94107

Isolation

Input to Output: 1000 VDC Input to Case: 1000 VDC Output to Case: 500 VDC

Dimensional Data: 13.97"L X 8.0"W X 2.0"H

Weight: 10 lbs max.

J1 - Input Power: 7W2P (D-Sub Combo Style)
J2 - Output Power 8W8P (D-Sub Combo Style)
J3 - Output Signal DEMA9S (D-Sub Standard Style)

ENVIRONMENTAL:

Operating Temperature: -20°C to +80°C Base Plate

Storage Temperature: -40°C to +100°C

Designed to meet:

Shock: MIL-S-901; MIL-STD-810
Vibration: MIL-STD-167; MIL-STD-810
Humidity: MIL-STD-810, 0-95% NC

EMI/EMC: MIL-STD-461E, Applicable Surface Ship Requirements RE102 compliance when installed in shielded enclosure

^{* 1500}W output current derates linearly at -10W per volt below 160VAC input to 750W at 85VAC



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