

### DCS2000D -1- (5,120)-(3.3, 160)

P/N 94038

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

**OUTPUT (S): D (Dual)**  
Voltage/Current 5 VDC +/-1% @120 A  
3.3 VDC @ 160 A  
Load Regulation: 0.2% Maximum (0-100%)  
Line Regulation: 0.2% Maximum  
PAR-D-Ripple & Noise: 1% Typical  
Current Limit: Short Circuit and Over Current Protected  
Over voltage: Included  
Efficiency: 77% Typical  
Remote Sense: 0.6V compliance



#### GENERAL CHARACTERISTICS- See O&C drawing 24112

Isolation  
Input to Output: 1000 VDC  
Input to Case: 2500 VDC  
Output to Case: 200 VDC  
Dimensional Data: 14"L X 8.0"W X 2.0"H  
Weight: 5.6 lbs  
J1- Input: 7W2 Type Positronics  
J2- Output: 8W8 Type Positronics  
J3- 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



[www.behlman.com](http://www.behlman.com)

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