

DCS200S - 6 - (82.5, 2.42) P/N 94055

Behlman's DCS200 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS200 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 RTCA-DO160. Units are Base Plate cooled.

INPUT (I) Input Transient protection: Per Mil-STD-704

-6: 115/200 VAC, 3 phase, 47-440 Hz

OUTPUT(S): S (Single);

Voltage: (V)	82.5VDC +/-1%
Current: (A)	2.42 Amps. Maximum power 200 watts.
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:	79% Typical.
Remote Sense:	0.6V compliance



GENERAL CHARACTERISTICS

Isolation

Input to Output:	1500 VDC minimum
Input to Case:	1500 VDC minimum
Output to Case:	500 VDC minimum

Dimensional Data: 7.75"L X 5.0"W X 1.15"H (See Outline Drawing 23093)

Weight: 2.4 lbs

J1- Input: 5 pin connector. Contact factory for options.

J2- Output: 30 pin connector. Contact factory for options.

ENVIRONMENTAL:

Operating Temperature: -40 to +85 degrees C Base Plate

Storage Temperature: -40 to + 100 degrees C

Designed to meet the following MIL Standards

Shock: MIL-S-901; MIL-STD-810

Vibration: MIL-STD-167; MIL-STD-810; RTCA/DO-160

Humidity: MIL-STD-810

EMI/EMC: MIL-STD-461C/D; RTCA/DO-160D. RE102 with proper shielding.



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