

Behlman Power Products

COTS POWER SUPPLY

Model: DCS200(5) - 2- (12,1.5) - (24,0.2) - (12,0.2) - (12,0.75) - (5,7.5)
P/N: 94024-2

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 Input Transient protection: Per Mil-STD-704

-2: 115Vac (92 – 150Vac) / 200Vac (180 – 250Vac) 45-440Hz
Dual input range, single phase

OUTPUTS: **5 total**
12Vdc @ 1A / 1.5A max
24Vdc @ 0.05A / 0.2A max
12Vdc @ 0.1A / 0.2A max
-12Vdc @ 0.6A / 0.75A max
5Vdc @ 5A / 7.5A max

Load Regulation: 0.2% Maximum (0-100%)
Line Regulation: 0.2% Maximum
PARD-Ripple & Noise: 150 mV (0-10Mhz)
Current Limit: Short circuit and over-current protected.
Over voltage: None
Efficiency: Typical 67%
Remote Sense: None

GENERAL CHARACTERISTICS

Isolation
Input to Output: 1000 VDC
Input to Case: 1000 VDC
Output to Case: 200 VDC
Leakage: < 5uA
Dimensional Data: 8.0"L X 5.0"W X 1.1"H
Weight: 2.5 lbs max
J1- Input: 9 pin connector, M24308/24-25
J2- Output: 25 pin connector, M24308/23-27

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.



Please refer to the proper outline drawing for further detail.
Behlman dwg #: 24039-X



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