

# Behlman Power Products

## COTS POWER SUPPLY

### Model: DCS200D - 2- (28, 0.5) - (5, 6) P/N 94076

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  
                  Auto range, single phase

**OUTPUTS:**      **2 total**  
                  28Vdc @ 0.5A  
                  5Vdc @ 6A

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:                75% Typical  
Remote Sense:            None

#### GENERAL CHARACTERISTICS: See outline and Connection drawing 23145

Isolation  
  Input to Output:        1000 VDC  
  Input to Case:         1000 VDC  
  Output to Case:        200 VDC  
  Leakage:                < 5uA  
Dimensional Data:        7.97"L X 5.02"W X 1.1"H  
Weight:                    2.5 lbs max  
J1- Input:                 9 pin connector  
J2- Output:                7 pin connector  
J3- Output:                9 pin connector

#### 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.



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

**ORBIT** POWER GROUP  
**Behlman Electronics**

Headquarters:  
80 Cabot Court, Hauppauge, NY 11788  
631 435-0410    800 874-6727  
Fax: 631 951-4341

2363 Teller Road, Suite 108  
Newbury Park, CA 91320  
805 375-7046    800 456-2006  
Fax: 805 498-2147

[sales@behlman.com](mailto:sales@behlman.com)

