

### DCS5008-6-(15, 7.1)-(-15, 1.5)-(8.5, 2.1)-(5, .8)-(3. 3.4)-(-2, 0.65)-(-5.2, 3.5)-(28, 3.55) P/N 94058

Behlman's DCS500 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS500 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  
**-6:**                    115/200 VAC, 3-phase, 360-440 Hz

#### OUTPUT(S):

- |                |                 |
|----------------|-----------------|
| 1. 15V @ 7.1A  | 5. 3.3V @ 4A    |
| 2. -15V @ 1.5A | 6. -2V @ 0.65A  |
| 3. 8.5V @ 2.1A | 7. -5.2V @ 3.5A |
| 4. 5V @ .8A    | 8. 28 @ 3.55A   |
- Load Regulation: 5% typical (no remote sense)  
Line Regulation: 1% typical  
PARD-Ripple & Noise: 1% typical  
Current Limit: Short circuit and over-current protected.  
Over voltage: Latching protection  
Efficiency: 70% typical



#### GENERAL CHARACTERISTICS-See O&C drawing 24097

Isolation  
Input to Output: 1000 VDC minimum  
Input to Case: 1000 VDC minimum  
Dimensional Data: 8"L (9.24 over mounting tabs X 3.5"W X 5.48"H.  
Weight: 5.5 Lbs.  
J1- Input: ITT Cannon P/N DBMMG5H5PJ  
J2- Output: ITT Cannon P/N DCMM37SZ

#### ENVIRONMENTAL:

Operating Temperature: -25°C to +80°C Base Plate  
Storage Temperature: -45°C to +71 °C  
Vibration: Meets the requirements of MIL-STD-810E, Method 514.4

#### EMI/EMC:

Meets requirements of MIL-STD-461D, CE101, CE102

#### Designed to meet the following MIL Standards

Shock: MIL-STD-810E  
Humidity: MIL-STD-810E



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