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
2. -15V @ 1.5A
3. 8.5V @ 2.1A
4. 5V @ .8A
5. 3.3V @ 4A
6. -2V @ 0.65A
7. -5.2V @ 3.5A
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: -25ºC to +80ºC Base Plate
- Storage Temperature: -45ºC to +71 ºC
- 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