Behlman’s DCS750 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCS750 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**

1. Input Transient protection: Per Mil-STD-704
   - 1: 85-265 VAC, 47-440 Hz, Power Factor Corrected
   - 2: 90-132 or 180-264 VAC, 47-440 Hz, Auto-ranging
   - 3: 20-32 VDC
   - 4: 36-72 VDC
   - 5: 200-400 VDC
   - 6: 115/200 VAC, 3 phase, 47-440 Hz

**OUTPUT(S):**

- **S** (Single); **D** (Dual); **T** (Triple); **Q** (Quad)
- Voltage: \( V \) 2 to 48 VDC +/-1%
- Current: \( A \) \(( X )\) Amps. Maximum power 750 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: 72% to 85% depending on model
- Remote Sense: 0.6V compliance

**GENERAL CHARACTERISTICS**

- **Isolation**
  - Input to Output: 1000 VDC minimum
  - Input to Case: 1000 VDC minimum
  - Output to Case: 200 VDC minimum
- **Dimensional Data:** 8.75"L X 5.0"W X 2.0"H
- **Weight:** 3.0 lbs
- **J1- Input:** D Type connector
- **J2- Output:** D Type connector

**ENVIRONMENTAL: Designed to meet the following MIL Standards**

- **Operating Temperature:** -40 to +85 degrees C Base Plate
- **Storage Temperature:** -40 to + 100 degrees C
- **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.