

### DCS125 (6)-3X-5449

P/N 94047

BEHLMAN's DCS Series of COTS power supplies are low cost, highly reliable, switch-mode units built for high-end industrial or MIL applications. DCS Series power supplies are available in power ranges from 100 up to 2000 Watts. DCS power supplies can be factory re-configured to accept a wide variety of inputs (AC or DC) and can be factory re-configured to supply a variety of single or multiple DC outputs. These rugged power supplies are built to support the rigors of airborne, shipboard & mobile applications and are designed to meet the input power requirements of MIL-STD-704. Units are Base-Plate cooled. The standard DCS has been re-configured to meet the stated criteria.

**INPUT(3X):** Input Transient protection: Per Mil-STD-704, 50 ms Hold-Up Time @ 125W out.

28 VDC (18 – 36 VDC Range)

**OUTPUT(s):**

(6) Six				Min.*	Max.*	Ripple RMS
1	+15VDC	@	0.84A	+14.85	+15.15	25mv.
2	-15VDC	@	0.83A	-14.25	-15.75	25mv.
3	+12VDC	@	4.0A	+11.88	+12.12	25mv.
4	-12VDC	@	3.0A	-11.50	-12.50	25mv.
5	+5.1VDC	@	15A	+5.00	+5.20	25mv.
6	-5.1VDC	@	5.0A	-5.00	-5.20	25mv.

\* Combined Load Regulation & Line Regulation (minimum to full-load)

Current Limit: Short Circuit and Over-Current protected.  
Over Voltage: 120% (Typical).  
Efficiency: 85% (Typical).  
Hold Up: 50 msec for all outputs @ 125W out max.

**GENERAL CHARACTERISTICS: see O&C drawing 24075**

Isolation:  
Input to Output: 1000 VDC  
Input to Case: 1000 VDC  
Output to Case: 200 VDC  
Dimensional Data: 6.0"L X 3.5"W X 1.5"H  
Weight: 2.4 lbs  
J1- Input M83513/10-A01NP  
J2 – Output M83513/13-D01NP  
Mounting: See DWG 24075 for Outline and Connections

**ENVIRONMENTAL:**

Operating Temperature: -40° C to +85° C @ Base-Plate  
Storage Temperature: -45.5°C to +100° C  
**Designed to meet the following 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; RE102 with proper shielding



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