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):**

<table>
<thead>
<tr>
<th>(6) Six</th>
<th>Min.*</th>
<th>Max.*</th>
<th>Ripple RMS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>+15VDC @ 0.84A</td>
<td>+14.85</td>
<td>+15.15</td>
</tr>
<tr>
<td>2</td>
<td>-15VDC @ 0.83A</td>
<td>-14.25</td>
<td>-15.75</td>
</tr>
<tr>
<td>3</td>
<td>+12VDC @ 4.0A</td>
<td>+11.88</td>
<td>+12.12</td>
</tr>
<tr>
<td>4</td>
<td>-12VDC @ 3.0A</td>
<td>-11.50</td>
<td>-12.50</td>
</tr>
<tr>
<td>5</td>
<td>+5.1VDC @ 15A</td>
<td>+5.00</td>
<td>+5.20</td>
</tr>
<tr>
<td>6</td>
<td>-5.1VDC @ 5.0A</td>
<td>-5.00</td>
<td>-5.20</td>
</tr>
</tbody>
</table>

* 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: -40º C to +85º C @ Base-Plate
- Storage Temperature: -45.5ºC to +100º C

**Designed to meet the following Standards:**
- Shock: MIL-S-901; MIL-STD-810
- Humidity: MIL-STD-810
- EMI/EMC: MIL-STD-461C/D; RE102 with proper shielding.