Behlman’s DCFX1000 series of COTS power supplies are low cost, highly reliable, switch mode units built for high-end industrial or MIL applications. The DCFX1000 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 MIL-STD-1399. Units are sealed and require forced air cooling.

**INPUT**
Input Transient protection: Per Mil-STD-1399
-1: 85-265 VAC, 47-440 Hz, Power Factor Corrected

**OUTPUT (S): D (Dual)**

<table>
<thead>
<tr>
<th>Voltage/Current</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 VDC +/-1% @ 45 A</td>
<td>12 VDC +/-1% @ 15 A</td>
</tr>
<tr>
<td>Load Regulation: 0.2% Maximum (0-100%)</td>
<td></td>
</tr>
<tr>
<td>Line Regulation: 0.2% Maximum</td>
<td></td>
</tr>
<tr>
<td>PARD-Ripple &amp; Noise: 1% Typical</td>
<td></td>
</tr>
<tr>
<td>Current Limit: Short Circuit and Over Current Protected</td>
<td></td>
</tr>
<tr>
<td>Over voltage: Included</td>
<td></td>
</tr>
<tr>
<td>Efficiency: 80% Typical</td>
<td></td>
</tr>
<tr>
<td>Remote Sense: 0.6V compliance</td>
<td></td>
</tr>
</tbody>
</table>

**GENERAL CHARACTERISTICS - SEE O&C DRAWING 24125**

- Isolation
  - Input to Output: 1000 VDC
  - Input to Case: 2500 VDC
  - Output to Case: 200 VDC
- Dimensional Data: 11.22"L X 10.63"W X 4.68"H (over heat sink and connectors)
- Weight: 3.4 lbs
- J1- Input: Amphenol P/N D38999/21NE6PN
- J2 & J3- Output: Glenair P/N CIRO3R2015S-T29

**ENVIRONMENTAL:**
- Operating Temperature: -40 to +85 degrees C at Heat Sink
- Storage Temperature: -40 to + 100 degrees C
- Designed to meet:
  - Shock: MIL-S-901; MIL-STD-810
  - Vibration: MIL-STD-167; MIL-STD-810
  - Humidity: MIL-STD-810
  - EMI/EMC: MIL-STD-461C/D
  - RE02/102 compliance when installed in shielded enclosure

**www.behlman.com**