Behlman Power Products

COTS POWER SUPPLY

DCM1000(8)-6-(5,20)-(-5.2,12.5)-(-2,10)-(8.5,10.6)-8.5,3.5)-(15,16.7)-(-15,1.7)-(28,2.7)
MODEL 00389-2

Behlman's 00389 COTS power supply is a highly reliable, switch mode units built for high-end industrial or Military applications. The 00389 can accept a three phase 115/200 VAC, 400 Hz input and can supply eight 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. Unit is Base Plate cooled.

INPUT   Input Transient protection per Mil-STD-704A
115/200 VAC +/- 20%, 360-440 Hz

OUTPUT:

1.	+5 VDC @ 20 A
2.	-5.2 VDC @ 12.5 A
3.	-2 VDC @ 10 A
4.	+8.5 VDC @ 10.6 A
5.	-8.5 VDC @ 3.5 A
6.	+15 VDC @ 16.7 A
7.	-15 VDC @ 1.7 A
8.	+28 VDC @ 2.7 A

Load Regulation: 1.0% no load to full load at nominal line.
Line Regulation: 0.1% for 10% line change.
PARD-Ripple & Noise: 1% of output voltage p-p maximum. (0.1-10 MHz bandwidth)
Over voltage protection: 120% max.
Short circuit protection: Output voltage drops to less than 1 volt,
   with automatic recovery
Current Limit: Constant current limited to 130% of rated current max.
Efficiency: 75%.

GENERAL CHARACTERISTICS- see O&C drawing 24015
   Isolation
      Input to Output: 1000 VDC
      Input to Case: 1000 VDC
      Output to Case: 200 VDC
   Dimensional Data: 12.00"L X 7.00"W X 2.38"H
   Weight: 6.4 lbs
   Input: CBM5W5M0000S-759.0 POSITRONIC
   Output: CBM24W7F2000S-759.0 POSITRONIC

ENVIRONMENTAL:
   Operating Temperature: -40°C to 80°C base plate cooled
   Storage Temperature: -57°C to 85°C
   MTBF   125,000 @ 25 Degrees C base plate, Ground benign
   Designed to meet the following MIL Standards
   Shock: MIL-S-901; MIL-STD-810C
   Vibration: MIL-STD-167; MIL-STD-810C; RTCA/DO-160
   Humidity: MIL-STD-810C
   EMI/EMC: MIL-STD-461C/D; RTCA/DO-160. RE102 with proper shielding.
   Input power: MIL-STD-704A