

DMCA4000 Power Supply Specifications P/N: 94057

Behlman's DMCA4000 COTS power supply is a ruggedly made, highly reliable, switch mode units built for high-end industrial or MIL applications. The unit is powered from three-phase aircraft power and can supply a variety of DC outputs. This rugged power supply is built to support the rigor of airborne, shipboard and mobile applications and designed to meet the input power requirements of MIL-STD-704. The power supply is fan cooled.

INPUT:

115/200 VAC, 3 phase, 47-440 Hz
IAW Mil-STD-704

OUTPUT(S):

Voltage/Current: + 5VDC @ 160A (800W)
+ 12VDC @ 167A (2000W)
+ 3.3VDC @ 160A (528W)
- 12VDC @ 12.5A (150W)
- 28VDC @ 16A (485W)

Voltage Ramp-Up: 20 ms min. up to 150 ms max
Load Regulation: 0.3% (0-100%)
Line Regulation: 0.3%
PARD-Ripple & Noise: 100 mV p-p typical
Current Limit: Short circuit and over-current protected.

Over Voltage Shutdown: 120% typical
Over Current Limit: 120% typical
Efficiency: 82% typical.
Remote Sense: 0.5V compliance



GENERAL CHARACTERISTICS-see O&C drawing 24085

Isolation

Input to Output: 1000 VDC
Input to Case: 1000 VDC
Output to Case: 200 VDC

Dimensional Data: 4.5"H x 16"W x 21.5"D (see Dwg. 24085 for outline and connections)

Weight: 33.5 lbs

Connectors: Input; J1- MS34521-24-10P (see Dwg. 24085 for outline and connections)
Output; J2- Hypertronics LSH series
Output; J3- Tyco Domino series

ENVIRONMENTAL:

Operating Temperature: -40 to +50 degrees C
Storage Temperature: -40 to + 100 degrees C
Cooling: Three fans mounted on Front Panel
Air Flow: In- front, Exhaust- sides & top

Designed to meet the following MIL Standards

Shock: MIL-STD-810
Vibration: MIL-STD-810
EMI/EMC: MIL-STD-461E (RE102 inside external enclosure)



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