

Behlman Power Products

COTS POWER SUPPLY

DCA2000 - 2 – 28, 72

Part Number 94036

Behlman's DCA2000 series of COTS power supplies are highly reliable, switch mode units built for high-end industrial or MIL applications. The DCA series accepts three phase "Y" or delta inputs and can supply a variety of DC from 3.3 VDC to 100 VDC outputs. Output power levels range from 1500 W to 3000 W depending on exact input and output configuration. 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, MIL-STD-1399 and RTCA-DO160. Units are Fan cooled.

POWER(P) 2000 W

INPUT (I)

-2: 115 VAC, 3-Phase Delta, 47-440 Hz, IAW MIL-STD-1399

OUTPUT:

Voltage: 28 VDC
Current: 72 A
Load Regulation: 0.2% Maximum (0-100%)
Line Regulation: 0.2% Maximum
PARD-Ripple & Noise: 1% Typical
Current Limit: Short Circuit and Over Current Protected
Over voltage: 120% Typical
Efficiency: 83% Typical
Remote Sense: 0.6V compliance
DC OK Line Contact Closure
Remote Enable Open Circuit: On; Ground: Off
Standby: +5 VDC @ 10 mA

GENERAL CHARACTERISTICS

Isolation
Input to Output: 1000 VDC
Input to Case: 2500 VDC
Output to Case: 200 VDC
Dimensional Data: 5.0" H, 8.0" W, 14" D
Weight: 28 lbs max.
Input: 5 Pin Terminal Block
Output: High Current Buss Bars
J1 (Bit, Sense, On/Off) 25 Pin D Connector



ENVIRONMENTAL:

Operating Temperature: -40 to +50 degrees C Full Power
-40 to +71 degrees C Derated
Storage Temperature: -40 to + 100 degrees C
Designed to meet:
Shock: MIL-S-901; MIL-STD-810
Vibration: MIL-STD-167; MIL-STD-810; RTCA/DO-160D
Humidity: MIL-STD-810
EMI/EMC: MIL-STD-461C/D; RTCA/DO-160D

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