

Behlman Power Products

COTS POWER SUPPLY

DCA2000 - 2 – 60, 34

Part Number 94037

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: | 60 VDC |
| Current: | 34 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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