

MODEL cPCI 6005(5)-1-(5, 60), (3.3, 45), (12, 10), (-12, 1), (5, 2)

P/N 94045

Behlman's cPCI6005-1 (production) MCOTS power supply is a rugged, low cost, highly reliable, switch mode units built for high-end industrial and military applications to power work stations. The cPCI6005-1 accepts a wide range AC input and supplies five (5) 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-704F and RTCA-DO160.

INPUT

85-265 VAC, 47-440 Hz, Power Factor Corrected
Input transient protection: per MIL-STD-704

OUTPUT

- | | | | |
|----|---------|---|---------|
| 1. | 5.0 VDC | @ | 60 Amps |
| 2. | 3.3 VDC | @ | 45 Amps |
| 3. | +12 VDC | @ | 10 Amps |
| 4. | -12 VDC | @ | 1 Amps |
| 5. | 5.0 VDC | @ | 2 Amps |

Load Regulation: 0.2% Maximum (0-100%)
Line Regulation: 0.2% Maximum
PARD-Ripple & Noise: 150 mV (0-10Mhz)
Current Limit: Constant current limited to 120% of rated current.
Over-Voltage: 120%
Efficiency: 75%.
Remote Sense: 5 V & 3.3 V can accommodate up to 0.5 V total drop.
Remote Turn-On
Over Temperature Protection
DC Power 'Good' Signals (4)



GENERAL CHARACTERISTICS (See Outline and Connection dwg. 24067)

Isolation
Input to Output: 1000 VDC
Input to Case: 2500 VDC
Output to Case: 200 VDC
Dimensional Data: 9.13"W X 8.0"D X 2.0"H
Weight: 5.5 lbs
Cooling: Via internal fans.
J1- Input/Output: 60 pin Positronic connector.

ENVIRONMENTAL:

Operating Temperature: -40 °C to + 70 °C (@ 400 W Maximum)
Storage Temperature: -55 °C to + 100 °C
Designed to meet the following MIL Standards:
Shock: MIL-S-901; MIL-STD-810
Vibration: MIL-STD-167; MIL-STD-810
Humidity: MIL-STD-810
EMI/EMC: MIL-STD-461E (RE-102 within customer chassis)
Input power: MIL-STD-704F



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