

MODEL 94026

Behlman's 94026 COTS power supply is a highly reliable, switch mode units built for high-end industrial or Military applications. The 94026 can accept a three phase 115/200 VAC, 400 Hz input and can supply a variety of 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 @ 77 A
2. -12 VDC @ 6.0 A
3. 7.25 VDC @ 50 mA

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:

Short circuit protection: Output voltage drops to less than 1 volt, with automatic recovery

Current Limit: Constant current limited to 130% of rated current

Efficiency: 75%.



GENERAL CHARACTERISTICS

Isolation

Input to Output: 1000 VDC

Input to Case: 1000 VDC

Output to Case: 200 VDC

Dimensional Data: 13.00"L X 7.00"W X 2.95"H

Weight: 7 LBS.

Input: M83723-02R1405N

Output: ITT Cannon, PN- DPKB645NA,
with (2) coupling nuts, PN- 335-0002-000

ENVIRONMENTAL:

Operating Temperature: -40°C to 100°C base plate cooled

Storage Temperature: -40°C to 125°C

MTBF 825,000 @ 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



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