

## 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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