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 @ 8.0 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
Input power: MIL-STD-704A