MODEL 94018-6

Behlman's 94018 COTS 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 94018 can accept a wide range of AC inputs 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.

INPUT

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

OUTPUT

1. 5.0 VDC @ 80 Amps
2. 3.3 VDC @ 45 Amps
3. +12 VDC @ 12 Amps
4. –12 VDC @ .83 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

GENERAL CHARACTERISTICS

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: Designed to meet the following MIL Standards

Operating Temperature: 0 to + 50 degrees C
Storage Temperature: -20 to + 100 degrees C
Shock: MIL-S-901; MIL-STD-810
Vibration: MIL-STD-167; MIL-STD-810
Humidity: MIL-STD-810
EMI/EMC: MIL-STD-461C/D
Input power: MIL-STD-704A

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