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