

### MODEL 94018-7

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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**ORBIT POWER GROUP**  
**Behlman Electronics**

Headquarters:  
80 Cabot Court, Hauppauge, NY 11788  
631 435-0410 800 874-6727  
Fax: 631 951-4341

[sales@behlman.com](mailto:sales@behlman.com)

