**Behlman Power Products**

**COTS POWER SUPPLY**

**VME600M(8) -1- (5,50)(-5,6)(12,12)(-12,2)(3.3,26) (-48,0.2)(5,1.2)(24,2)**

P/N 94044-1

Behlman’s VME600 COTS power supply is a dual redundant rugged, low cost, highly reliable, switch mode unit built for high-end industrial and Military applications to power work stations and VME card racks. The VME600 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 MIL-STD-1399 and RTCA-DO160.

**INPUT**

85-265 VAC, 47-440 Hz, Power Factor Corrected

Input transient protection: per MIL-STD-704A

Hold-up time >20ms.

**OUTPUT**

1. 5 VDC @ 50 Amps
2. -5 VDC @ 6 Amps
3. 12 VDC @ 12 Amps
4. -12 VDC @ 2 Amps
5. 3.3 VDC @ 26 Amps
6. -48 VDC @ 0.2 Amps
7. 5 VDC stby @ 1.2 Amps With battery backup
8. 24 VDC fan @ 2 Amps

Load Regulation: 0.2% Maximum (0-100%)

Line Regulation: 0.2% Maximum

PARD-Ripple & Noise: 50 mV (0-10Mhz) all except 30mv. 3.3V; 100mv. 12V

Current Limit: Constant current limited to 120% of rated current.

Over voltage: 120%

Efficiency: 75% Typical

Over Temperature protection

**GENERAL CHARACTERISTICS**

**Isolation**

Input to Output: 1400 VDC

Input to Case: 1400 VDC

Output to Case: 100 VDC

**Dimensional Data:** See O&C DWG. 24069

**Weight:** 30 lbs max.

**Cooling:** Via internal fans

**Input connector:** IEC320

**Interface:** See O&C DWG 24069.

**ENVIRONMENTAL:**

Operating Temperature: -20 to + 55 °C

Storage Temperature: -40 to + 100 °C

Designed to meet the following MIL Standards

**Shock:** MIL-STD-810

**Vibration:** MIL-STD-810

**Humidity:** MIL-STD-810

**EMI/EMC:** MIL-STD-461E; CE101, CE102, CS101, 114, 115, 116, RS103 RE102 when installed in external shielded enclosure