VME4000M(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 VME4000 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 VME4000 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