

VME4000(8) -1- (5,50)(-5,6)(12,12)(-12,2)(3.3,26) (-48,0.2)(5,1.2)(24,2) P/N 94028-3

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 | 5. 3.3 VDC @ 26 Amps |
| 2. -5 VDC @ 6 Amps | 6. -48 VDC @ 0.2 Amps |
| 3. 12 VDC @ 12 Amps | 7. 5 VDC stby @ 1.2 Amps With battery backup |
| 4. -12 VDC @ 2 Amps | 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. 24046

Weight: 30 lbs max.

Cooling: Via internal fans

Input connector: IEC320

Interface: See O&C DWG 24046.

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



www.behlman.com

ORBIT POWER GROUP
Behlman Electronics

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

2363 Teller Road, Suite 108
Newbury Park, CA 91320
805 375-7046 800 456-2006
Fax: 805 498-2147

sales@behlman.com

