

MODEL VME600 -1- (12,50)

Behlman's VME600 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 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 and RTCA-DO160.

INPUT

85-265 VAC, 47-440 Hz, Power Factor Corrected
Input transient protection: per MIL-STD-704A
Hold-up time >50ms.



OUTPUT

1. 12 VDC @ 50 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: 78% Typical
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:

Operating Temperature: -40 to + 60 degrees C; 75°C with derating to 400W

Storage Temperature: -40 to + 100 degrees C

Designed to meet the following MIL Standards

Shock: MIL-S-901; MIL-STD-810

Vibration: MIL-STD-167; MIL-STD-810

Humidity: MIL-STD-810

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

Input power: MIL-STD-704A

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