

MODEL VME600T-1-(28, 22) -(12,10) -(5,1)

P/N 94086

Behlman's VME600T-1 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 VME600T-1 can accept a wide range AC input 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-704F and RTCA-DO160.

INPUT

85-265 VAC, 47-440 Hz, Power Factor Corrected
Input transient protection per MIL-STD-704F

OUTPUT

1. 28.0 VDC @ 22 Amps
2. 12.0VDC @ 10 Amps
3. +5VDC Aux @ 1 Amps

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

Line Regulation: 0.2% Maximum

PARD-Ripple & Noise: +28V: 250 mV (0-10Mhz)
+12V: 120mV (0-10Mhz)
+5V Aux: 50mV (0-10Mhz)

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

Over-Voltage: 120%

Efficiency: 75% Typical

Remote Turn-On Pull to SIG_RTN to Enable +28V and +12V outputs (sinks 10mA), Left open to disable +28V and +12V outputs.

DC-OK Active high (+5V) signal to indicate +28V and +12V outputs within specification (can source 2.5mA), Pulled to SIG_RTN when either +28V or +12V output out of specification.
OVER Temp Low indicates high temperature warning.

GENERAL CHARACTERISTICS (See Outline and Connection dwg. 24158)

Isolation

Input to Output: 500 VDC

Input to Case: 500 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 °C to + 60 °C

Storage Temperature: -40 °C to + 100 °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
RE-102 when installed in external shielded enclosure

Input power: MIL-STD-704F



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