

### 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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