

### **Features**

- Single Output of 28 V, up to 1000W
- 12 to 36 V Input
- Designed to meet MIL-STD-1275E
- Environmentally Sealed to IP67 (with sealed mating connector and cable assembly)
- Conduction Cooled
- Efficiency up to 96%
- Ripple 240 mVp-p
- Regulation 5%, line and load
- Non-Isolated

## **Brief Description**

This environmentally sealed, conduction cooled DC-DC power supply is designed to be mounted to a baseplate not exceeding 75°C and meet military environments. It complies with the input voltage requirements of MIL-STD-1275E. It is compact in size and weighs 8 lbs.

### **Environment**

Temperature: -40°C to +71°C operating

-40°C to +85°C non-operating

Vibration: MIL-STD-202\* Shock: MIL-STD-202\* EMI: Per MIL-STD-461\*

\* designed to meet

# **Outline Drawing:**



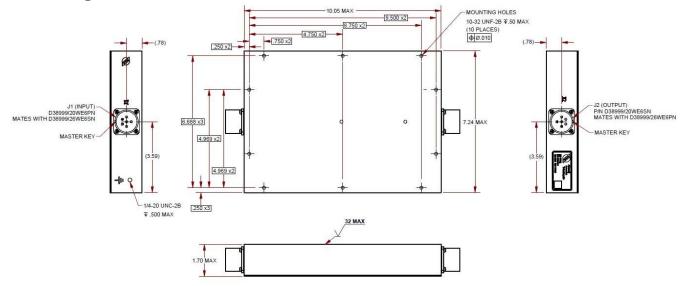
Actual appearance may vary to that shown above.

### **Voltage and Output Power**

Vin	Vout	<b>Max Output Power</b>
12 to 15 VDC	28 VDC	580 W
16 to 19 VDC	28 VDC	790 W
20 to 36 VDC	28 VDC	1000 W

#### Notes:

- 1) 1000 W can be achieved for 1 second with 12 VDC input voltage and 30 seconds with 16 VDC input voltage.
- 2) Maximum current is 35.7 A.
- 3) Output performance is derated linearly from 0% at 50°C to 30% at 71°C.



**Size:** 10.05 x 7.24 x 1.70 in

Connectors: Input (J1): D38999/20WE6PN, Output (J2): D38999/20WE6SN

For additional details, please contact ACT at (717) 939-2300 or salesinfo@actpower.com