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General

This compact light weight power supply was developed as a reliable source of power for a missile applications. This product is designed to meet environmental specifications Mil Std 810D and Mil Std 461 EMI specification. This power supply is one of a family of products strictly developed for airborne applications and other high stress environments.

Electrical Specifications:

- *Input Voltage: +28±6 VDC at 250 mA.*
- *Over voltage Protection: ±40VDC*
- *Input Noise: 10% p-p of input current*
- *Output Voltages: +15VDC ±2% at 120 mA.*
- 15VDC ±2% at 120mA.

Regulation over Line, Load and Temperature

The EON Family of Power Supplies are fully qualified airborne power supplies, capable of providing regulation over all line, load and temperature variations. These supplies have been designed and tested to function over an extreme range of conditions, most specifically in the missile environment.

Electrical Performance

- *Output Impedance: 5 mΩ*
- *Short Circuit Protection Provided*
- *Output Ripple: 20 mV Max, p-p*
- *Momentary Short Circuit Protection Provided*
- *Inverter Transients: 150 mV max, p-p*
- *Input and Output grounding is isolated.*

Environmental Specifications

- *Operation Temperature: -40°C to +71°C*
- *Non Operating Temperature: -55°C to +85°C*
- *Vibration: 15g's all axes*
- *Shock: 30 g's for 11 msec all axes*
- *Humidity: 0-95% R.H.*
- *Altitude: 0-100,000 feet*

Mechanical Specifications

- *Size: 4.062" L x 3.313"Wx 2.0" H*
- *Weight 13 ounces*
- *Mounting: 4 holes #8 taps*
- *Case Material: Steel*

