

818.781.2185 Sales
sales@eoninstrumentation.com



General

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 Specifications

Input Voltage: +28 ± 6 VDC at 600 mA, overvoltage protection ± 40 VDC

Input Noise: 10 % p-p of input current

Output Voltages: ± 15 VDC ± 0.5 % 150 mA, max.

-15 VDC ± 0.5 % 150 mA, max.

+5 VDC ± 1.0 % 200 mA, max

---Regulation over line, load, and temperature.

Output Impedance: 500 Milliohms

Short Circuit Protection Provided.

Output Ripple: 20 mV max, p-p

Inverter Transients: 150 mV max, p-p

Grounds: Input and output grounds are isolated. Case tied to input ground.

Environmental tested to US Navy specifications.

Environmental Specifications

Temperature: Operating: -40deg C to +71deg C Non-Op: -55deg C to +85deg C

Vibration: 15 G'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: 3.50"L x 2.25"W x 0.40"H

Weight: 7 Ounces

Mounting: 4 each holes 0.187" diameter, 2.87" x 1.62" centers.

Case Material: Plated Steel

