

- RTCA DO160C QUALIFIED
- ADJUSTABLE OUTPUT VOLTAGE
- INPUT MEETS MIL-STD-704
- FULLY ISOLATED

## SPECIFICATIONS

### DC INPUT:

28 VDC 47-63 Hz single phase. Meets MIL-STD-704,  
Continuous operation from 18 to 40 VDC.

**EFFICIENCY:** 81% minimum or greater .

### LINE REGULATION:

± 1% of nominal over the full range of line input voltage.

### LOAD REGULATION:

± 1% for change from no load to full load.

### OUTPUT VOLTAGE:

Adjustable between 0 and 5 VDC and not to exceed 6.5 VDC regardless of load or setting.

### OUTPUT CURRENT:

Limited at 11.5A max even when short circuited.

### INPUT CURRENT:

Is less than 2.5A @ 28 VDC with nominal output load of 5V/7.5A. Input current is always less than 2.8A at maximum output load of 8.2A or when load is removed from output.

### OPERATING TEMPERATURE RANGE:

Storage, transportation and handling: -62 ° to +72 °C.  
Ambient temperature: -20 °C to +70 °C baseplate.

### ISOLATION:

The input power circuits and DC output voltage lines are isolated from the chassis.

### INSULATION RESISTANCE:

20 Megohms or greater between individually insulated terminals and between all terminals and the case when tested at 500 VDC.

### DIELECTRIC WITHSTANDING VOLTAGE:

1500 VAC RMS, 60 Hz between all terminals and the case, for 1 minute, without any leakage current in excess of 1mA or evidence of damage due to arching or insulation breakdown.

### RELIABILITY:

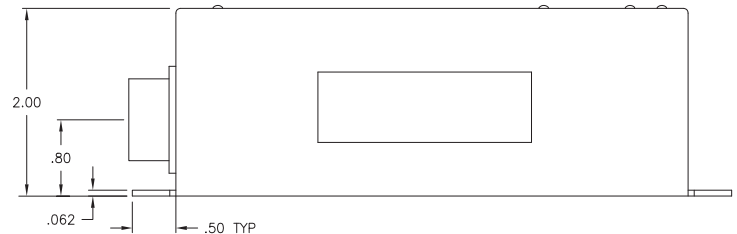
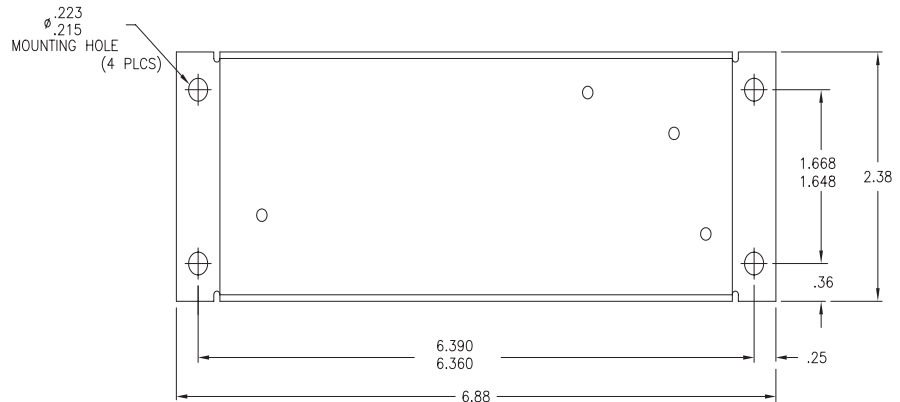
MTBF 40,000 hours calculated per MIL-HDBK-217B in naval sheltered environment.

### TESTING QUALIFICATIONS:

All units are qualified per RTCA DO 160C.

**WEIGHT:** 1.4 lbs.

## MECHANICAL DIMENSIONS



### J1:5 PIN

- A +INPUT (18VDC-40VDC)
- B COMMON RETURN
- C + OUTPUT (0VDC-5VDC, 0A-8.2A)
- D CONTROL (0KOhm-5Kohm)
- E SP ARE



8203 Vineland Avenue  
Sun Valley, CA 91352  
Tel. 818-504-0644  
Fax. 818-768-0395

### MAIN OFFICE:

8203 Vineland Avenue, Sun Valley, CA 91352 (818) 504-0644 FAX: (818)768-0395

Visit our website at [www.abbott-tech.com](http://www.abbott-tech.com) and on-line quote form at [sales@abbott-tech.com](mailto:sales@abbott-tech.com).

Call us toll-free **1-800-367-8200**

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