

- 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 arcing or insulation breakdown.

RELIABILITY:

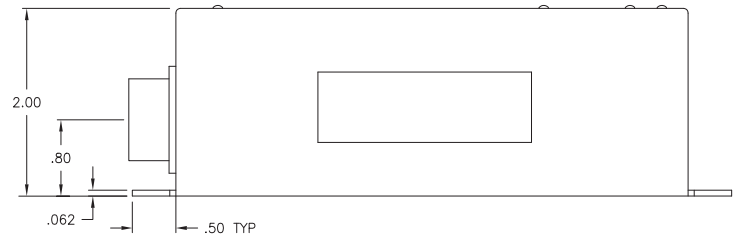
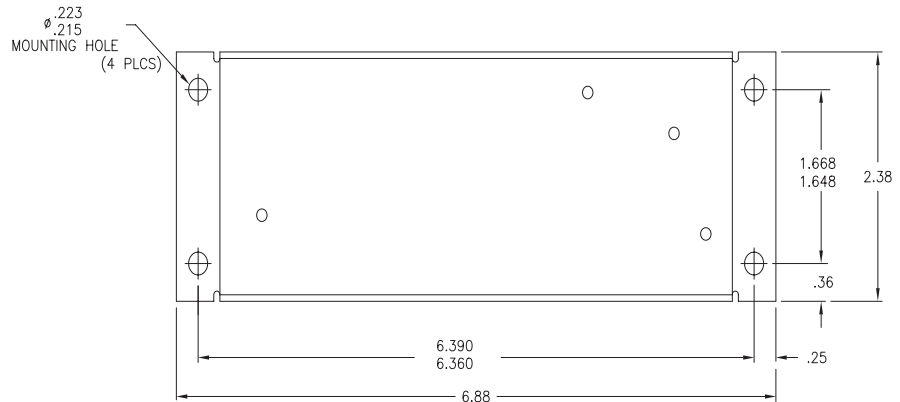
MTBF 40,000 hours calculated per MIL-HDBK-217B in naval sheltered environment.

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



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ISO 9001:2000/AS9100 Rev A



LBA INC.

