



Advanced Conversion Technology, Inc.

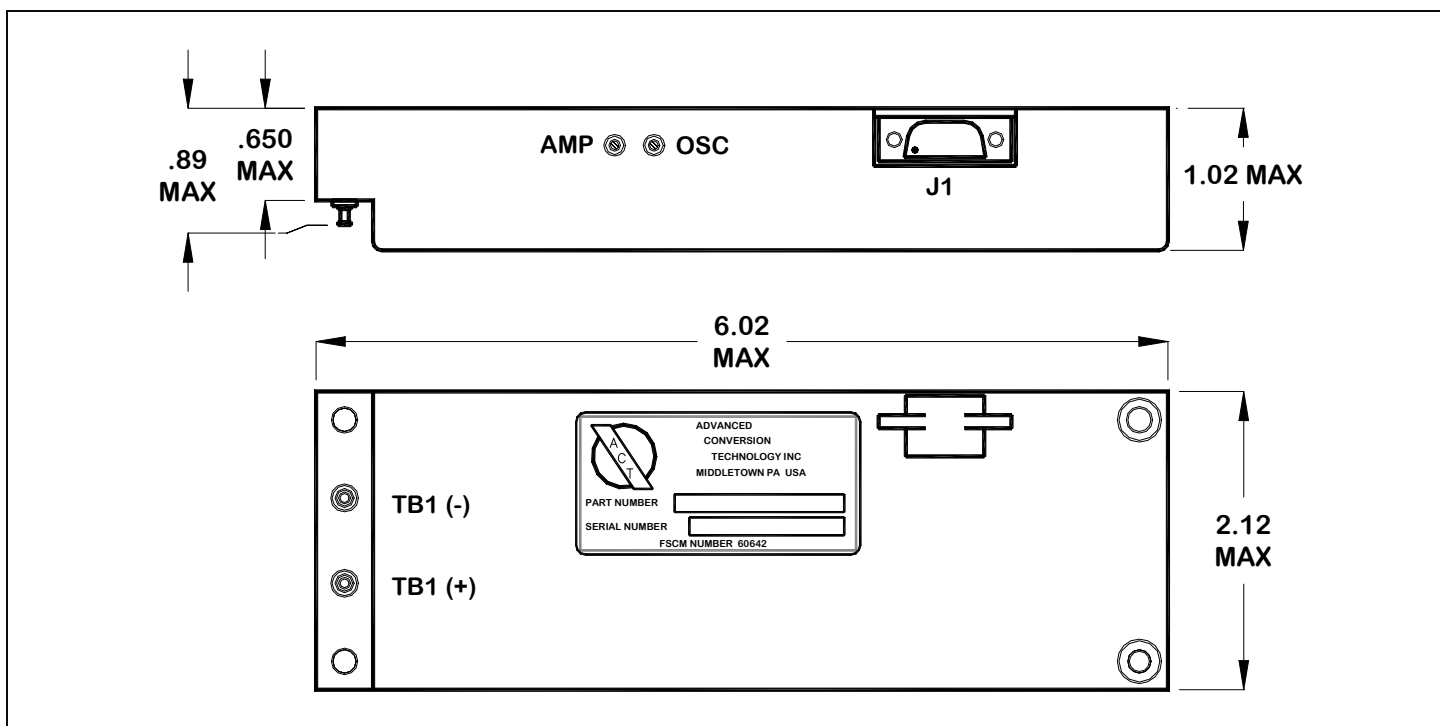
DUAL LASER DIODE DRIVER DC/DC POWER SUPPLY SR – 1964

This DC/DC converter operates from rectified three phase 400 Hz input power and produces two output voltages. This potted power supply is designed to provide power to drive two laser diode banks. The load for this power supply is a 2000 μ F capacitor with discharge pulses of 100 Amps for 300 μ sec. It's potted construction and irradiated aluminum housing affords mechanical protection and good thermal conductivity.



FEATURES

- Dual Outputs
- 190 Watts Output Power
- Power Enable
- Soft Start
- Overload Protection
- Military Aircraft
- Potted Assembly
- Compact Size



ELECTRICAL CHARACTERISTICS

Input Voltage: 270 VDC, Rectified MIL-STD-704A, 3 Phase 400 Hz

Outputs:

- +160 VDC @ 0.6 A Average
- +160 VDC @ 0.6 A Average

Environmental:

- Temperature Range: -54°C to +85°C, Cold Wall
- Vibration: MIL-STD-810B, Meth. 514.1, Proc. 1
- Shock: 25 G's per MIL-STD-810E
- Altitude: 60,000 ft

Connector: MDM-15SH003P, ITT Cannon

Specifications subject to change without notice

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