Advanced Conversion Technology, Inc.

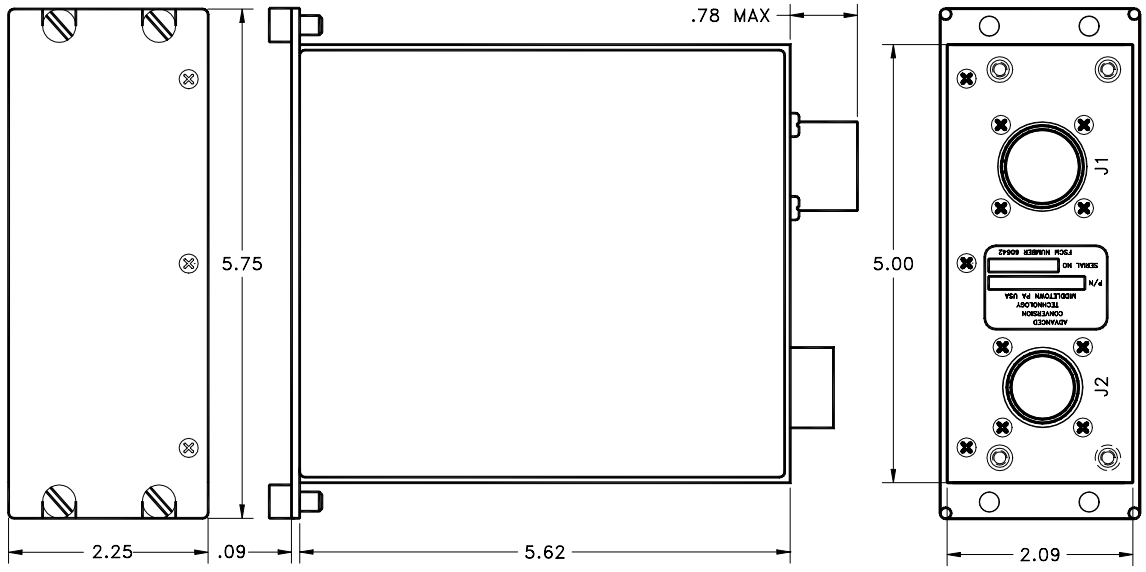
HIGH VOLTAGE DC/DC MULTI OUTPUT CRT POWER SUPPLY

SR - 17331

This hermetically sealed CRT Power Supply is designed to supply the various high voltage outputs required by a cathode ray tube operating in an airborne fighter environment. Utilizing a unique HV Crowbar the output voltages can be discharged within 35 μseconds. ACT's proprietary oil-gas approach achieves complete protection against the elements and mechanical and thermal concerns.

FEATURES

Hermetically Sealed
Programmable Outputs
HV Crowbar (35 μsec)
Switchable G1 output
BIT & Voltage Monitors
RS-422 Input
Asynchronous Serial Interface
Short Circuit Protection
Reverse Polarity Protection
Factory Repairable



ELECTRICAL CHARACTERISTICS

Input Voltage: ± 12.5 VDC ± 1.5 VDC

Output Voltages:
+8.5 KVDC @ 150 μA
750 VDC to 1,500 VDC @ 300 μA
390 VDC to 1,200 VDC @ 10 μA
-60 VDC or –100 VDC @ 500 μA
+5.0 VDC @ 100 mA

Environmental:
Operating Temperature: -40°C to +71°C
Vibration: MIL-STD-810, Method 514.4
Shock: MIL-STD-810, Method 516.4
Altitude: 15.5 PSIA to 2.72 PSIA

Connectors: J1; KJA111429-473 J2; 10889-04

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