

TECHNICAL DATA
DATA SHEET 561, REV. C

Transient Voltage Suppressor, Unidirectional

FEATURES:

- ◆ Equivalent Industry Standard Part Numbers –704-15K36T
- ◆ Designed For MIL-STD-704
- ◆ 28 Volt Power Supply Protection

This series is primarily for use in avionics equipment. These 15kW assemblies are designed typically to operate with a minimum source impedance of .25 Ohms for transients.

MAXIMUM RATINGS

| Rating | Condition | Minimum | Maximum | Units |
|--------------------------------|------------------------------|---------|------------------------|------------|
| Peak Pulse Power Dissipation | @ 25°C, 1ms | - | 15,000 | Watts |
| Steady State Power Dissipation | - | - | 10 | Watts |
| t _{clamping} | 0 Volts to V _(BR) | - | < 1x 10 ⁻¹² | Sec (typ.) |
| Operating & Storage Temp. | - | -65 | + 150 | °C |
| Forward Surge Current | 1/120 sec. @ 25°C | - | 300 | Amps |
| Duty Cycle | - | - | 0.01 | % |

ELECTRICAL CHARACTERISTICS @ 25°C (Test Both Polarities)

| Part Number | Reverse Stand-Off Voltage (Note 1) V _{WM} Volts | Maximum Reverse Leakage @ V _{WM} I _D µA | Minimum Breakdown Voltage @ 10 mA V _(BR) Volts | Maximum Clamping Voltage @ I _{PP} V _c Volts | Maximum Peak Pulse Current (Fig. 2) I _{PP} Amps | Maximum Forward Voltage V _F @ 8.3 msec. 100A Volts DC |
|-------------------|--|---|---|---|--|---|
| 704-15K36T | 31.5 | 100 | 36 | 51 | 300 | 3.0 |

Note 1: A device is normally selected according to the reverse "Stand Off Voltage" (V_{WM}) which should be equal to or greater than the DC or continuous peak operating voltage level. Special Voltages available from the factory.

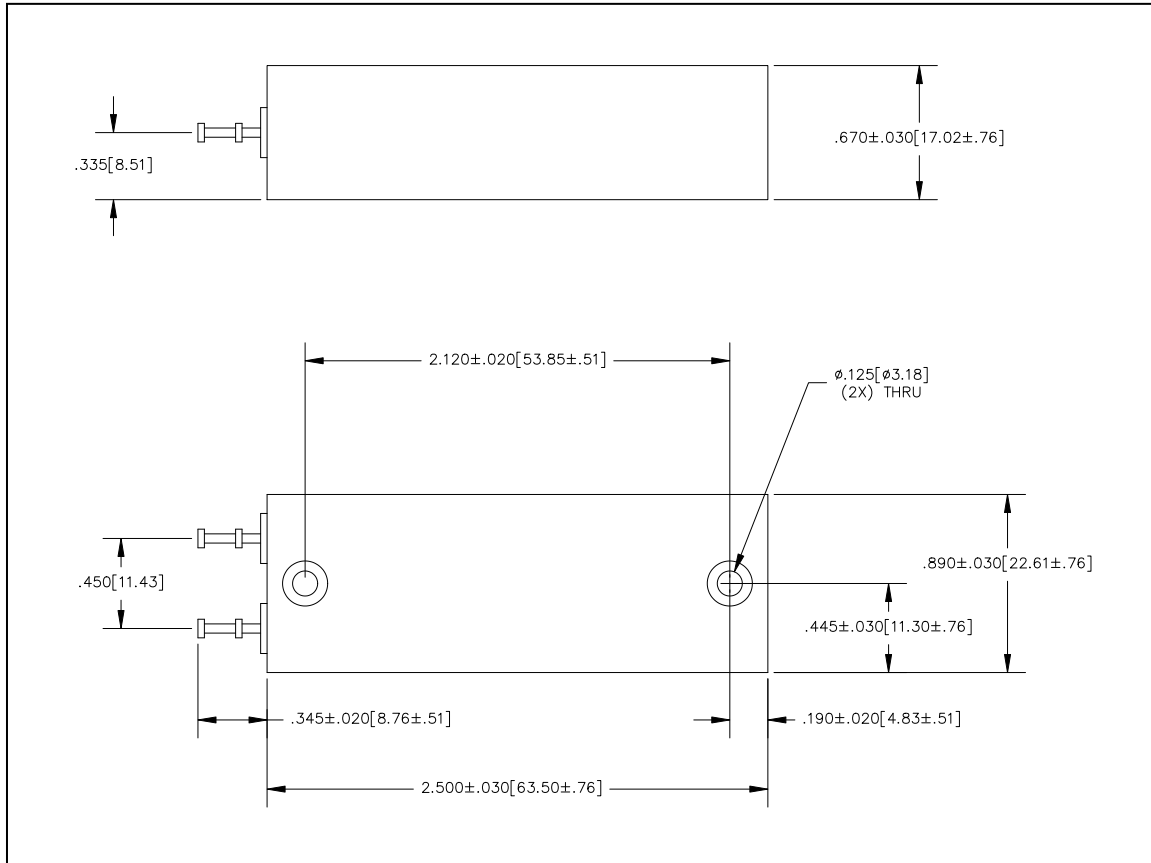
MECHANICAL CHARACTERISTICS

CASE: Molded Case
 TERMINAL: Silver Plated Brass
 POLARITY: Cathode terminal marked with a dot
 WEIGHT: 38 grams
 MOUNTING POSITION: Any

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MECHANICAL DIMENSIONS: In Inches / mm

Turret Leads



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