



# ACTP-1795 HIGH FREQUENCY TUNNEL DETECTORS

<b>Frequency Range (min)</b>	18 - 40	GHz
<b>Minimum Output Voltage</b>	4	mV
<b>Flatness vs. Frequency (max)</b>	1.0	±dB

**NOTES:**

Maximum input power: +14dBm (3dB guardband for +17dBm possible burnout)  
Sensitivity is measured into an open circuit load (>10k ohm).

**ENVIRONMENTAL SPECIFICATIONS:**

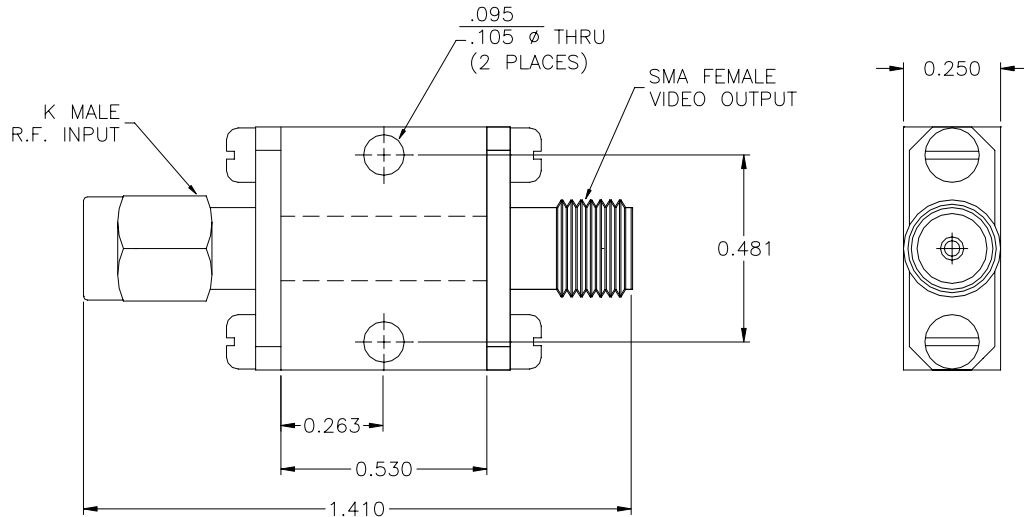
MIL-E-5400, MIL-STD-202, MIL-E-16400  
Operating Temp: -55°C to +100°C  
Storage Temp: -65°C to +100°C  
Humidity: MIL-STD-202F, M103, Cond B  
Shock: MIL-STD-202F, M213, Cond B  
Altitude: MIL-STD-202F, M105, Cond B  
Vibration : MIL-STD-202F, M204, Cond B  
Thermal Shock: MIL-STD-202F, M107, Cond A  
Temperature Cycle: MIL-STD-202F, M105C, Cond D

**SCREENING:**

Internal Visual per MIL-STD-883, Method 2017  
Temperature Cycle: -65°C to +100°C, 10 cycles

**OPTIONAL HIGH-REL SCREENING (Ref MIL-PRF-38534):**

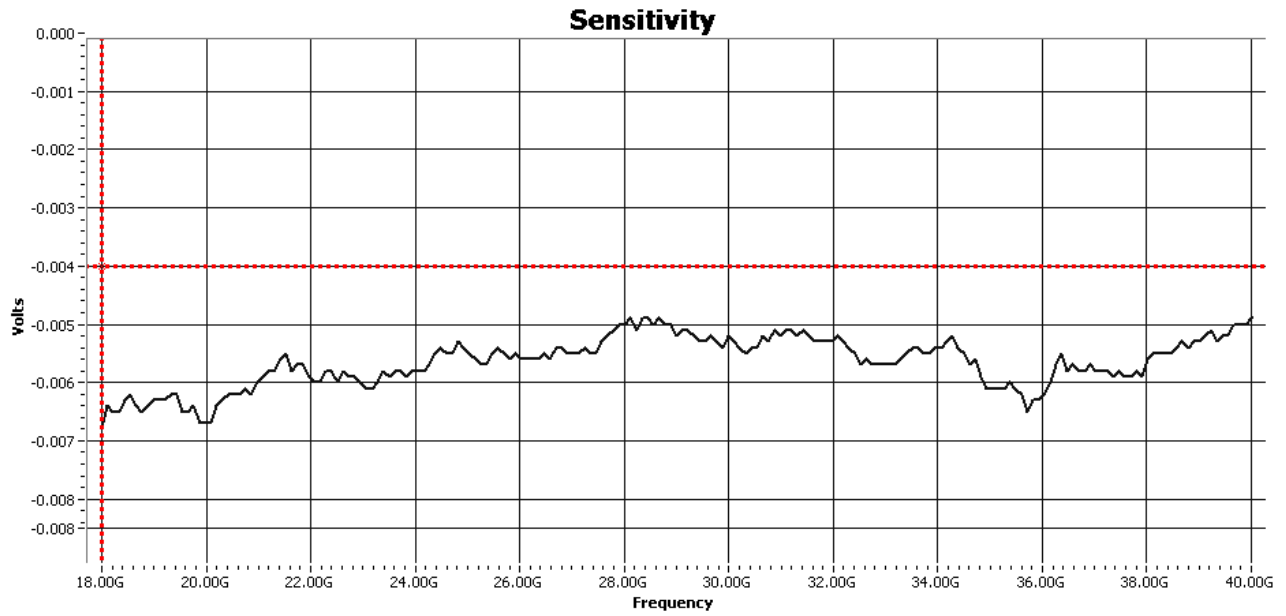
Stabilization Bake per MIL-STD-883, Method 1008  
Temperature Cycle per MIL-STD-883, Method 1010  
Constant Acceleration per MIL-STD-883, Method 2001  
Burn-in per MIL-STD-883, Method 1015  
Leak Test per MIL-STD-883, Method 1014  
External Visual per MIL-STD-883, Method 2009



**STANDARD CASE STYLE C7  
(Optional Case Styles – C63, M61)**

**PART NUMBER ORDERING INFORMATION:**

- Add desired polarity suffix: "N" for Negative, "P" for Positive (Ex: ACTP-11795N)
- Add desired case style suffix: "C7" (Ex: ACTP-11795NC7)
- Add "R" suffix: Reverse Connector Configuration (Ex: ACTP-11795NC7R) (SMA Female Input/SMA Male Output)
- Add "-RC" suffix: RoHS-compliant (Ex: ACTP-11795NC7-RC)



Flatness =  $\pm 0.712\text{dB}$

**Flatness**