



ACTP-1799

HIGH FREQUENCY TUNNEL DETECTORS

Frequency Range (min)	18 - 26	GHz
Minimum Output Voltage	4	mV
Flatness vs. Frequency (max)	0.5	±dB

NOTES:

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

ENVIRONMENTAL SPECIFICATIONS:

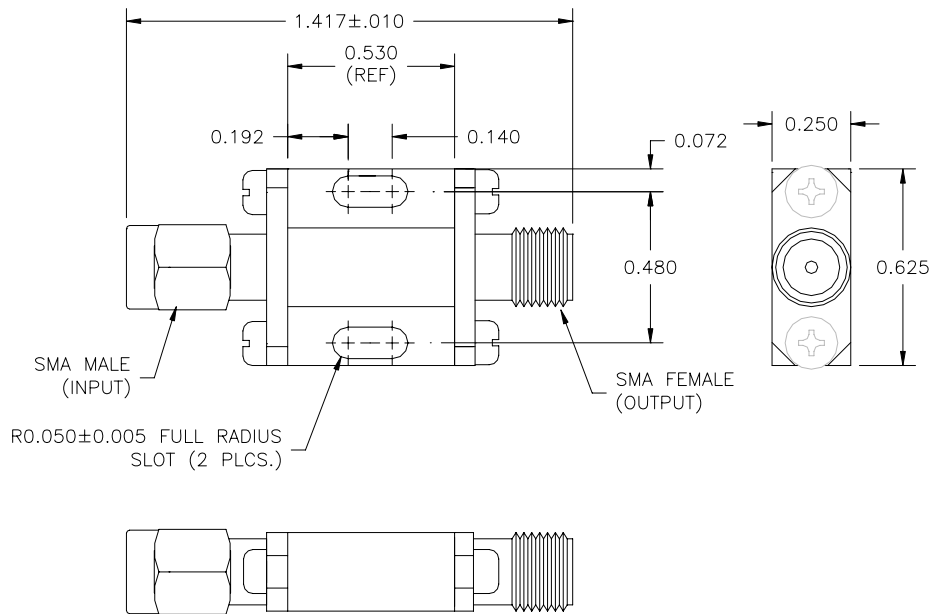
MIL-E-5400, MIL-STD-202, MIL-E-16400
Operating Temp: -55°C to +100°C
Storage Temp: -65°C to +100°C
Humidity: MIL-STD-202F, M103, Cond B
Shock: MIL-STD-202F, M213, Cond B
Altitude: MIL-STD-202F, M105, Cond B
Vibration : MIL-STD-202F, M204, Cond B
Thermal Shock: MIL-STD-202F, M107, Cond A
Temperature Cycle: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

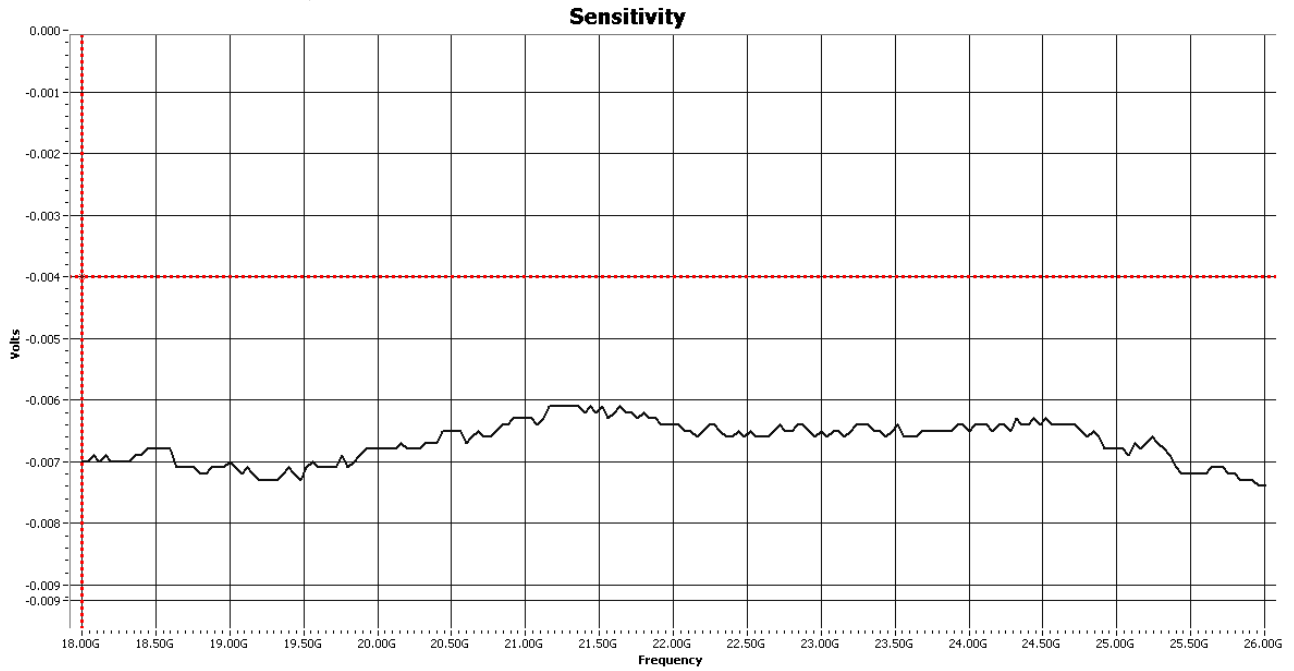
Stabilization Bake per MIL-STD-883, Method 1008
Temperature Cycle per MIL-STD-883, Method 1010
Constant Acceleration per MIL-STD-883, Method 2001
Burn-in per MIL-STD-883, Method 1015
Leak Test per MIL-STD-883, Method 1014
External Visual per MIL-STD-883, Method 2009



STANDARD CASE STYLE C36
(Optional Case Styles – C37, M61)

PART NUMBER ORDERING INFORMATION:

- Add desired polarity suffix: "N" for Negative, "P" for Positive (Ex: ACTP-11799N)
- Add desired case style suffix: "C36" (Ex: ACTP-11799NC36)
- Add "R" suffix: Reverse Connector Configuration (Ex: ACTP-11799NC36R) (SMA Female Input/SMA Male Output)
- Add "-RC" suffix: RoHS-compliant (Ex: ACTP-11799NC36 -RC)



Flatness = $\pm 0.420\text{dB}$

Flatness