



ACSP-2579

PADDED ZERO BIAS SCHOTTKYDETECTORS

Frequency Range (min)	2 – 4	GHz
Flatness vs. Frequency (max)	0.2	±dB
Typical TSS	-45	dBm
Internal Attenuation	6	dB
Sensitivity (min)	500	mV/mW

NOTES:

Maximum input power: +23dBm

Sensitivity is measured into an open circuit load (>10k ohm).

The temperature performance of the zero bias schottky is poor when operating at low input power levels.

ENVIRONMENTAL SPECIFICATIONS:

MIL-E-5400, MIL-STD-202, MIL-E-16400

Operating Temp: -55°C to +125°C

Storage Temp: -65°C to +150°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

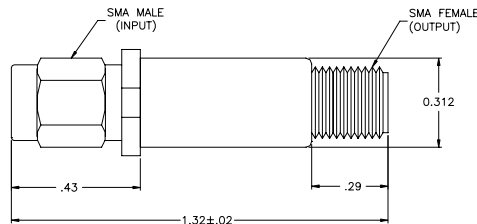
Temperature Cycle per MIL-STD-883, Method 1010

Constant Acceleration per MIL-STD-883, Method 2001

Burn-in per MIL-STD-883, Method 1015

Leak Test per MIL-STD-883, Method 1014

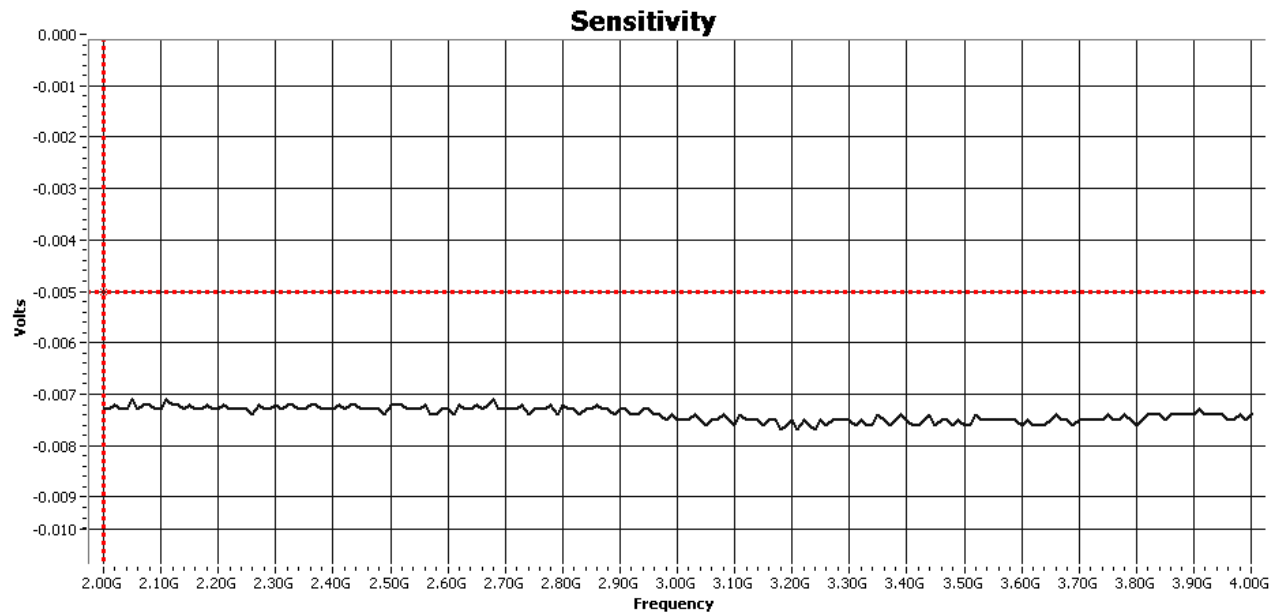
External Visual per MIL-STD-883, Method 2009



STANDARD CASE STYLE C3 (Optional Case Styles – C8, C15)

PART NUMBER ORDERING INFORMATION:

- Add desired polarity suffix: "N" for Negative, "P" for Positive (Ex: ACSP-2579N)
- Add "Z" for zero biased schottky (Ex: ACSP-2579NZ)
- Add desired case style suffix: "C3" (Ex: ACSP-2579NZC3)
- Add "R" suffix: Reverse Connector Configuration (Ex: ACLM-2579NZC3R) (SMA Female Input/SMA Male Output)
- Add "-RC" suffix: RoHS-compliant (Ex: ACSP-2579NZC3-RC)



Flatness = $\pm 0.176\text{dB}$

Flatness