ACSP-2544
PADDED ZERO BIAS SCHOTTKYDETECTORS

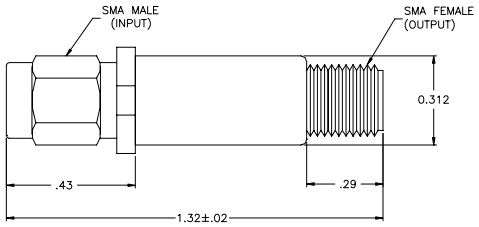
Frequency Range (min)	0.01 – 18	GHz
Flatness vs. Frequency (max)	0.5/octave	±dB
Typical TSS	-45	dBm
Internal Attenuation	6	dB
Sensitivity (min)	500	mV/mW

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 – C15, C32)

PART NUMBER ORDERING INFORMATION:

- Add desired polarity suffix: “N” for Negative, “P” for Positive (Ex: ACSP-2544N)
- Add “Z” for zero biased schottky (Ex: ACSP-2544NZ)
- Add desired case style suffix: “C3” (Ex: ACSP-2544NZC3)
- Add “R” suffix: Reverse Connector Configuration (Ex: ACLM-2544NZC3R) (SMA Female Input/SMA Male Output)
- Add “-RC” suffix: RoHS-compliant (Ex: ACSP-2544NZC3-RC)

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