



# ACSP-2519 PADDED ZERO BIAS SCHOTTKYDETECTORS

|                                     |           |       |
|-------------------------------------|-----------|-------|
| <b>Frequency Range (min)</b>        | 7.9 – 8.4 | GHz   |
| <b>Flatness vs. Frequency (max)</b> | 0.1       | ±dB   |
| <b>Typical TSS</b>                  | -48       | dBm   |
| <b>Internal Attenuation</b>         | 3         | dB    |
| <b>Sensitivity (min)</b>            | 1000      | 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

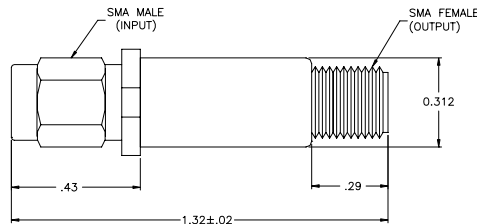
Temperature Cycle per MIL-STD-883, Method 1010

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, C32)

## PART NUMBER ORDERING INFORMATION:

- Add desired polarity suffix: "N" for Negative, "P" for Positive (Ex: ACSP-2519N)
- Add "Z" for zero biased schottky (Ex: ACSP-2519NZ)
- Add desired case style suffix: "C3" (Ex: ACSP-2519NZC3)
- Add "R" suffix: Reverse Connector Configuration (Ex: ACLM-2519NZC3R) (SMA Female Input/SMA Male Output)
- Add "-RC" suffix: RoHS-compliant (Ex: ACSP-2519NZC3-RC)