# ACSP-2643
## PADDED ZERO BIAS SCHOTTKYDETECTORS

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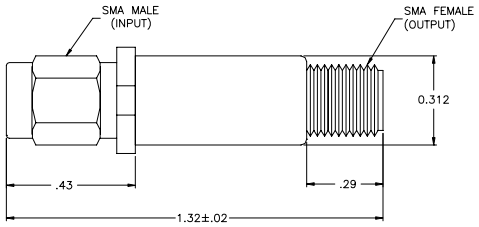
|---|---|---|
| **Frequency Range (min)** | 0.01 – 20 | GHz |
| **Flatness vs. Frequency (max)** | 0.5/octave | ±dB |
| **Typical TSS** | -46 | dBm |
| **Internal Attenuation** | 3 | dB |
| **Sensitivity (min)** | 1000 | mV/mW |

**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 – C15, C32)**

**PART NUMBER ORDERING INFORMATION:**

- Add desired polarity suffix: “N” for Negative, “P” for Positive (Ex: ACSP-2643N)
- Add “Z” for zero biased schottky (Ex: ACSP-2643NZ)
- Add desired case style suffix: “C3” (Ex: ACSP-2643NZC3)
- Add “R” suffix: Reverse Connector Configuration (Ex: ACLM-2643NZC3R) (SMA Female Input/SMA Male Output)
- Add “-RC” suffix: RoHS-compliant (Ex: ACSP-2643NZC3-RC)

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