ACSP-2643

Padded Zero Bias Schottky Detector

Features:

- Contains hermetically sealed modules, internal RF matching, DC return, and RF bypass capacitor.
- The video port is protected from static or transient charges.
- · Input impedance matching.
- Models may be chosen for broadband RF performance of for optimized narrow bands





Specifications:

Parameter	Specification	Units
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.

SCREENING:

Internal Visual per MIL-STD-883, Method 2017 Temperature Cycle: -65°C to +100°C, 10 cycles

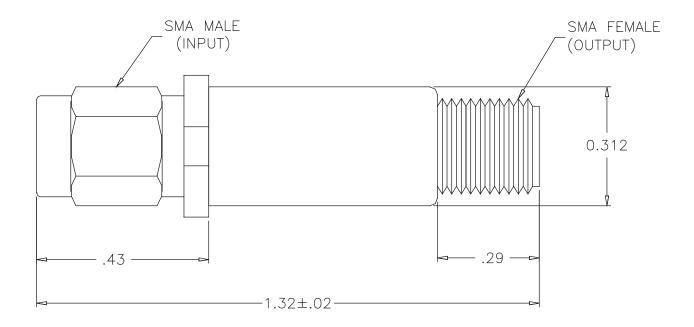
OPTIONAL HIGH-REL SCREENING (Ref MIL-PRF-38534):

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 "-RC" suffix: RoHS-compliant (Ex: ACSP-2643NZC3-RC)

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ISO 9001:2008 certified









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