

ACSP-2644

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)	0.1	±dB
Typical TSS	-44	dBm
Internal Attenuation	7	dB
Sensitivity (min)	500	mV/mW

Notes:

Maximum input power: +23 dBm

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

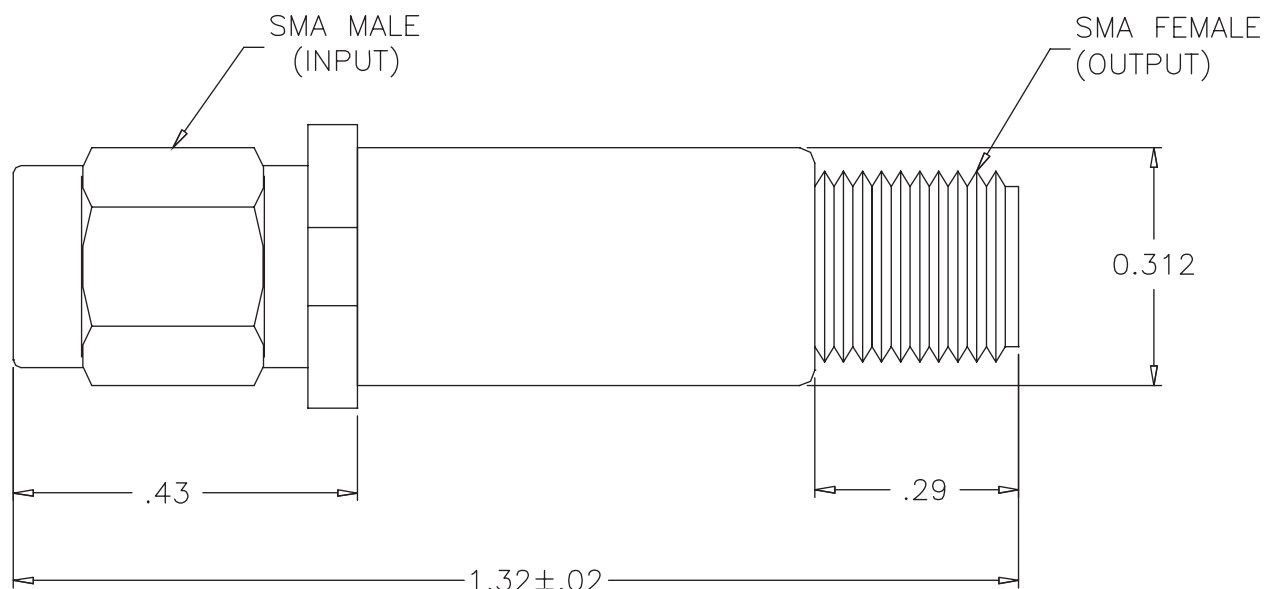
Constant Acceleration per MIL-STD-883,
Method 2001

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

Leak Test per MIL-STD-883, Method 1014

External Visual per MIL-STD-883, Method 2009

Outline Drawing:



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-2644N)
- Add "Z" for zero Biased schottky (Ex: ACSP-2644NZ)
- Add desired case style suffix: "C3" (Ex: ACSP-2644NZC3)
- Add "-RC" suffix: RoHS-compliant (Ex: ACSP-2644NZC3-RC)

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ISO 9001:2008 certified



Our passion for performance is defined by three attributes represented by these three icons: solution-minded, performance-driven and customer-focused.