

## DESCRIPTION

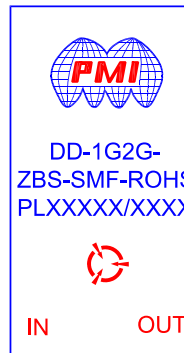
PMI MODEL: DD-1G2G-ZBS-SMF-ROHS IS A LOW NOISE TUNNEL DIODE DETECTOR OPERATING OVER THE 1 GHz TO 2 GHz FREQUENCY RANGE.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	11/24/25	

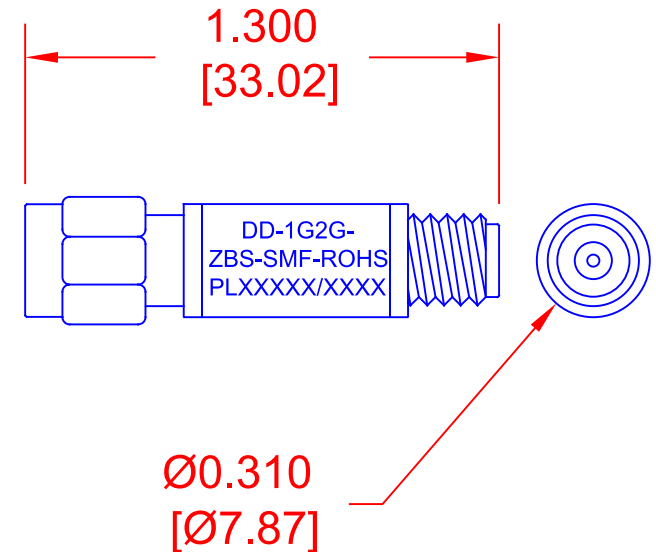
## SPECIFICATIONS

- FREQUENCY RANGE: ----- 1 GHz to 2 GHz
- SENSITIVITY: ----- 0.5 ± 0.05 mV/μW
- POLARITY: ----- NEGATIVE
- MAX INPUT POWER: ----- 100 mW
- VSWR: ----- 1.5:1 TYP, 2.0:1 MAX
- FLATNESS: ----- ±1.0 dB TYP
- CAPACITANCE: ----- 30 pf
- CONNECTORS IN/OUT: ----- SMA MALE/SMA FEMALE
- FINISH: ----- ALBALOY PLATED

## LABEL



## MECHANICAL OUTLINE



## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -54 °C TO +110 °C (OPERATING/STORAGE)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. G (50g, 11 ms)
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. D (20 g, 10 - 2000 MHz)
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202, METHOD 107D COND. A

ALL DIMENSIONS  
ARE IN INCHES (mm)  
TOLERANCES:  
X,XX ±0.020  
X,XXX ±0.010

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN AG		11/24/25	PRODUCT FEATURE DD-1G2G-ZBS-SMF-ROHS		
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			REV. -		
SCALE N:S			SHEET 1 OF 1		