

DESCRIPTION

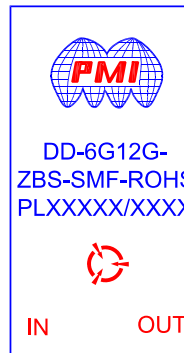
PMI MODEL: DD-6G12G-ZBS-SMF-ROHS IS A LOW NOISE TUNNEL DIODE DETECTOR OPERATING OVER THE 6 GHz TO 12 GHz FREQUENCY RANGE.

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

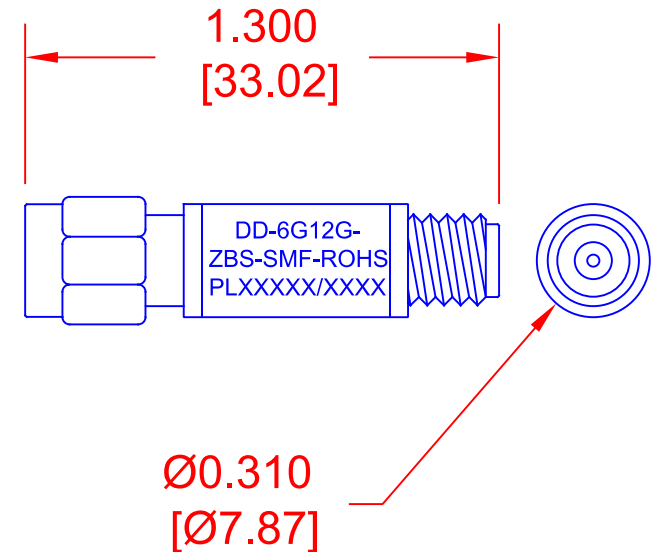
SPECIFICATIONS

- FREQUENCY RANGE: ----- 6 GHz to 12 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-6G12G-ZBS-SMF-ROHS | | | |
| REDRAWN | | | SIZE A | FSCM NO. 05XQ0 | DWG NO. PRELIMINARY | REV. - |
| ISSUED | | | SCALE N:S | | SHEET 1 OF 1 | |