

DESCRIPTION

PMI MODEL: DD-10M18G-ZBS-SMF IS A ZERO BIAS SCHOTTKY DIODE DETECTOR OPERATING OVER THE 10 MHz TO 18.0 GHz FREQUENCY RANGE.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	8/6/19	
	A2	ECN # 23 - 0082	4/27/23	

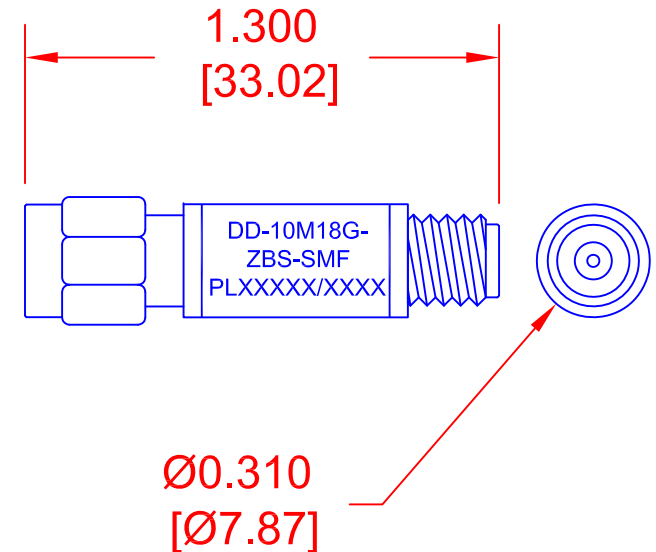
SPECIFICATIONS

- FREQUENCY RANGE: ----- 10 MHz to 18.0 GHz
- SENSITIVITY: ----- 0.5 ± 0.05 mV/μW TYP
- POLARITY: ----- NEGATIVE
- MAX INPUT POWER: ----- 100 mW
- VSWR: ----- 1.5:1 TYP, 2.0:1 MAX
- FREQUENCY 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)
-55 °C TO +100 °C (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

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

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

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN NJA		8/6/19	PRODUCT FEATURE DD-10M18G-ZBS-SMF			
REDRAWN			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27037080	A2
			SCALE	N:S	SHEET	1 OF 1