

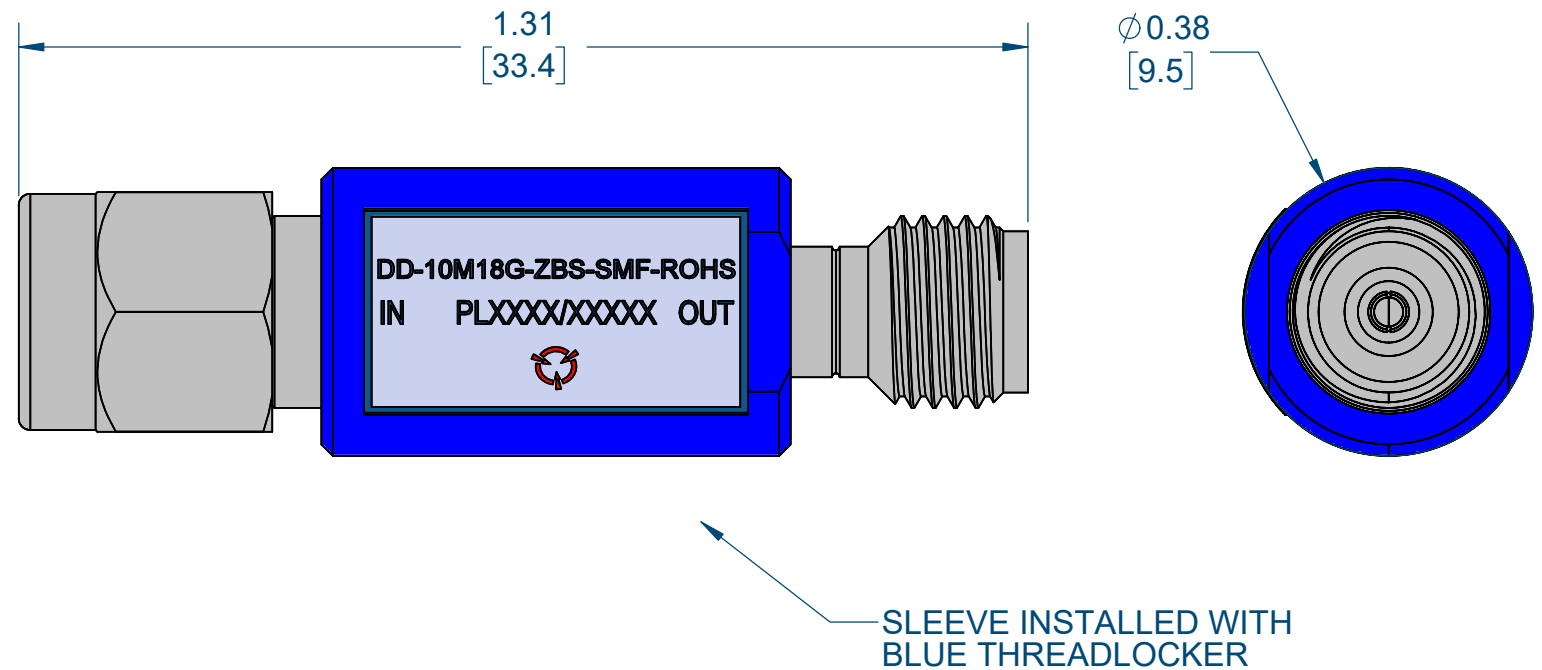
DESCRIPTION:

QUANTIC PMI MODEL NO: DD-10M18G-ZBS-SMF-ROHS IS A ZERO BIAS SCHOTTKY DIODE DETECTOR OPERATING OVER THE 10 MHz TO 18 GHz FREQUENCY RANGE.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/10/2025	
	A2	ECN # 26-0121	5/26/2026	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 10 MHz TO 18 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):..... 2.92mm MALE/2.92mm FEMALE
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -54°C TO +110°C (OPERATING)
-55°C TO +125°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 (20g, 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 TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

<small>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:</small> <small>FRACTIONS DECIMALS ANGLES</small> <small>± .XX ± 0.02 ±</small> <small> .XXX ± 0.01</small>		<small>APPROVALS</small> <small>DATE</small> DRAWN D. HOSCHAR 2/10/2025 <small>REDRAWN</small>		Quantic PMI <small>PLANAR MONOLITHICS</small> <small>7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA</small> <small>TEL: (301) 662-5019, FAX: (301) 662-1731</small> <small>WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM</small> <small>ISO 9001 CERTIFIED</small>		
		<small>ISSUED</small>		<small>TITLE</small> OUTLINE DD-10M18G-ZBS-SMF-ROHS		
		<small>SIZE</small>	<small>FSCM NO.</small>	<small>DWG NO.</small>	<small>REV.</small>	
		B	05XQ0	27051080	A2	
		<small>SCALE 4:1</small>			<small>SHEET 1 OF 1</small>	