

DESCRIPTION:

PLANAR MONOLITHICS INDUSTRIES MODEL NUMBER DD-26-SMT IS A 2 TO 6 GHz DIODE DETECTOR WITH A POSITIVE SLOPE OUTPUT. THIS SURFACE MOUNT DIODE DETECTOR HAS THE BELOW SPECIFICATIONS.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	PRELIMINARY	7/5/2023	
	2	ADDED MATCHED SETS	7/7/2023	

SPECIFICATIONS:

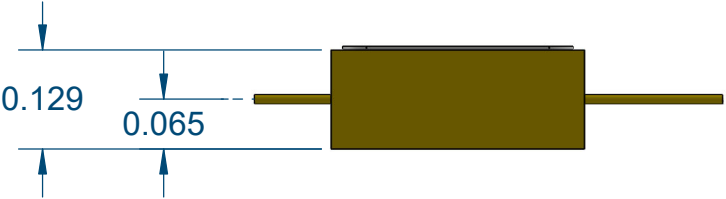
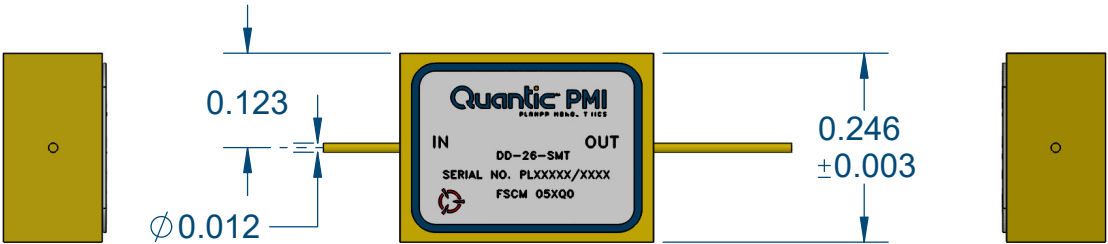
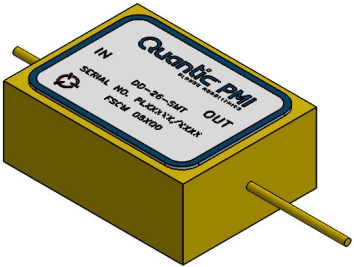
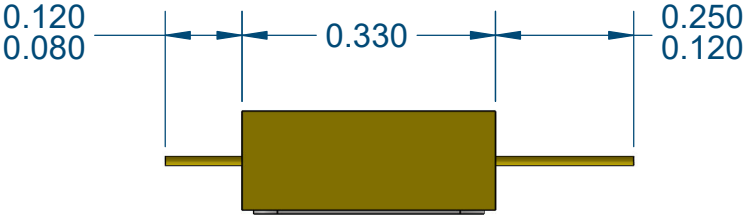
- FREQUENCY RANGE:..... 2.0 TO 6.0 GHz
- SENSITIVITY, K FACTOR:..... 900 mV / mW MIN
- FREQUENCY FLATNESS:..... ±0.4 dB MAX
- TSS:..... -51 dBm TYP*
- VSWR:..... 2.5:1 TYP (MEASURED @ -20 dBm)
- OUTPUT POLARITY:..... POSITIVE
- VIDEO CAPACITANCE:..... 20 pF NOM

*TSS MEASURED WITH A VIDEO AMPLIFIER WITH A 2 MHz BANDWIDTH AND 3 dB NOISE FIGURE

- SIZE:..... 0.300" x 0.246" x 0.129"
- WEIGHT:..... 1.0 g TYP
- FINISH:..... GOLD PLATED
- MATCHED SETS:..... AVAILABLE AS MATCHED SETS OF 3 UNITS, ±0.75 dB TYP UNIT TO UNIT

ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -40°C TO +85°C (OPERATING)
-55°C TO +125°C (STORAGE)



PMI CONFIDENTIAL AND PROPRIETARY

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

			APPROVALS		DATE		Quantic PMI PLANAR MONOLITHICS 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED			
							DRAWN		7/5/2023	
			D. DURBIN				TITLE			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			REDRAWN				PRODUCT FEATURE			
			ISSUED				DD-26-SMT			
			SIZE		FSCM NO.		DWG NO.		REV.	
			B		05XQ0		PRELIMINARY		2	
							SCALE 4:1		SHEET 1 OF 1	