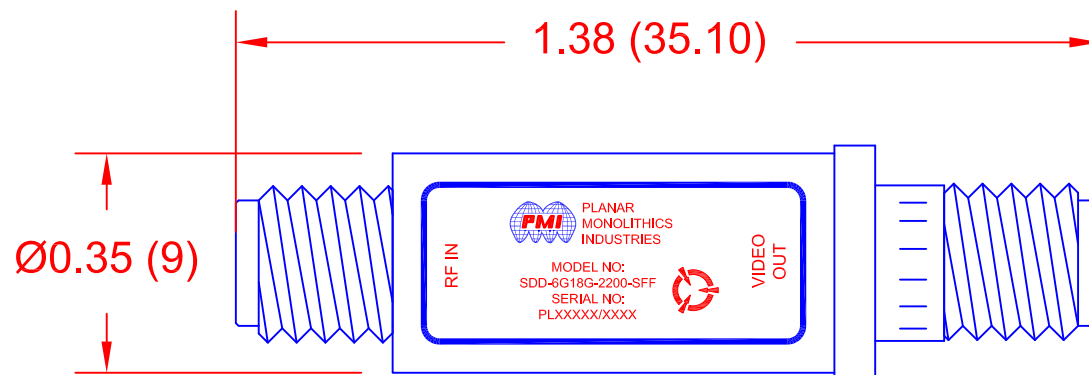


DESCRIPTION

PMI MODEL: SDD-6G18G-2200-SFF IS A BIASED SCHOTTKY DIODE DETECTOR THAT OPERATES OVER THE 6.0 GHz TO 18.0 GHz RANGE. THIS MODEL OFFERS OUTSTANDING SENSITIVITY AS WELL AS EXCELLENT FREQUENCY FLATNESS PERFORMANCE OF ± 1 dB.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	09/15/15	

MECHANICAL OUTLINE



SPECIFICATIONS

- FREQUENCY RANGE: ----- 6.0 TO 18.0 GHz
- FLATNESS @ -20 dBm: ----- ± 1 dB
- SENSITIVITY: ----- 2200 mV/mW MIN
2600 mV/mW TYP
- VSWR: ----- 2.5:1 TYP
4:1 MAX
- OUTPUT CAPACITANCE: ----- 10 pF MAX
- VIDEO IMPEDANCE: ----- 100 Ω TYP
350 Ω MAX
- BIAS: ----- 150 μ A
- POWER HANDLING: ----- +20 dBm CW
+26 dBm PULSED (25% DUTY CYCLE)
- CONNECTORS: ----- SMA FEMALE

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40 $^{\circ}$ C TO +85 $^{\circ}$ C (OPERATING)
-55 $^{\circ}$ C TO +125 $^{\circ}$ C (STORAGE)
- HUMIDITY: ----- MIL-STD-202G, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202G, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202G, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202G, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202G, METHOD 107G COND. A

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

PMI CONFIDENTIAL AND PROPRIETARY

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

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		09/15/15	PRODUCT FEATURE SDD-6G18G-2200-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		REV. -
				SHEET	1 OF 1