

DESCRIPTION

PMI MODEL DD-20-218-5PF-2-N IS A DIODE DETECTOR THAT WORKS FROM A FREQUENCY RANGE OF 2 TO 18 GHz.

SPECIFICATIONS

- FREQUENCY RANGE: 2.0 TO 18.0 GHz
- VOLTAGE SENSITIVITY: 650 mV/mW, 700mV/mW Typ
- TANGENTIAL SENSITIVITY (TSS): -50 dBm @ 2 MHz VIDEO BANDWIDTH
WITH 2 dB NOISE FIGURE AMPLIFIER
- FREQUENCY FLATNESS: ± 1.5 dB, ± 1.0 dB Typ
- VSWR: 3.5:1 Typ
MEASURED @ -23 dBm WITH
27K Ω LOAD IMPEDANCE
- SWITCHING SPEED: 5 nsec
- VIDEO CAPACITANCE: 5.6 pF
- OUTPUT VOLTAGE: NEGATIVE IS STANDARD
POSITIVE OUTPUT AVAILABLE
- CONNECTORS: INPUT : SMA FEMALE
OUTPUT : SMA MALE
- SIZE: (L) 1.0" X (W) 1.0" X (H) 0.4"
- FINISH: GRAY EPOXY POLIMIDE COATING IAW
MIL-C-22750, TYPE I OVER EPOXY
POLIMIDE PRIMER IAW MIL-P-23377,
TYPE I, CLASS 1 OR 3.

ENVIRONMENTAL RATINGS

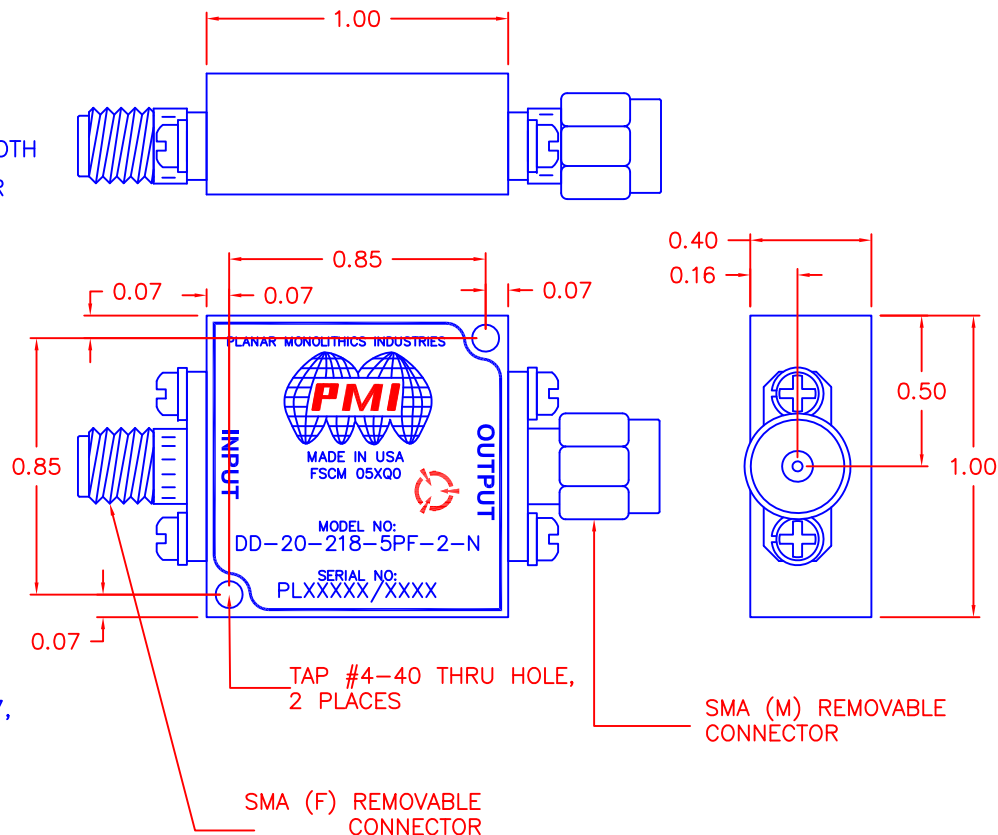
- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107D COND. A

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

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	08/08/11	
	A2	ECN # 14-0186	11/19/14	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE		TITLE	
DRAWN		08/08/11		PRODUCT FEATURE	
CHECKED				DD-20-218-5PF-2-N	
ISSUED				OPTION M	
SIZE	FSCM NO.	DWG NO.	REV.		
A	05XQ0	27008381	A2		
SCALE N:S		SHEET		1 OF 1	