

DESCRIPTION

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

REVISIONS			DATE	APPROVED
ZONE	REV.	DESCRIPTION		
A		ORIGINAL RELEASE	08/08/11	

SPECIFICATIONS

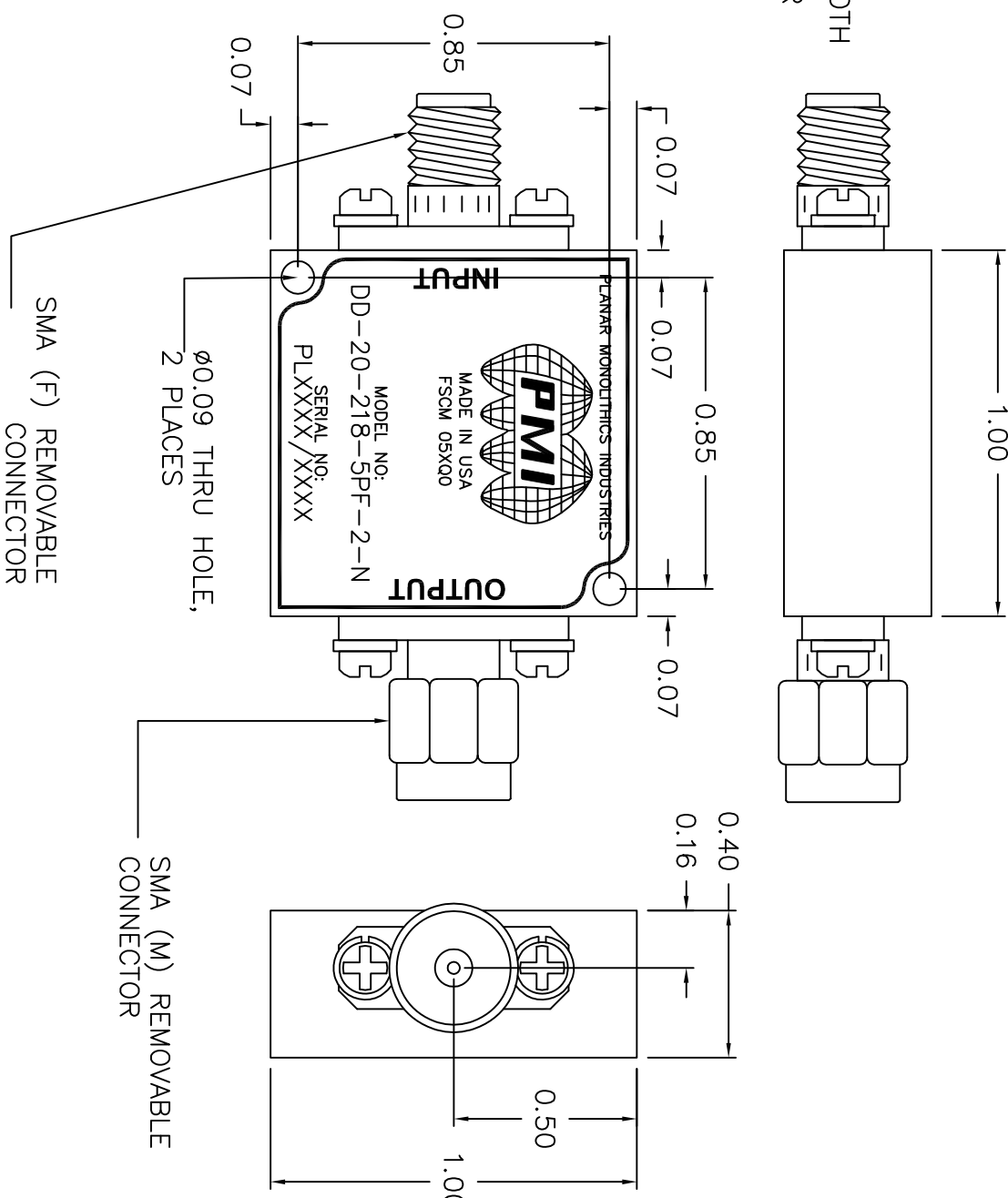
- FREQUENCY RANGE: 2.0 TO 18.0 GHZ
- VOLTAGE SENSITIVITY: 650 mV/mW, 700mV/mW Typ
- TANGENTIAL SENSITIVITY (TSS): -50 dBm @ 2 MHz VIDEO BANDWIDTH WITH 2 DB NOISE FIGURE AMPLIFIER
- FREQUENCY FLATNESS: ±1.5 dB, ±1.0 dB Typ
- VSWR: 3.5:1 Typ
MEASURED @ -23 dBm WITH 27KΩ LOAD IMPEDANCE
- SWITCHING SPEED: 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: MIL-SPEC EPOXY PAINT - GRAY

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

MECHANICAL OUTLINE



SMA (F) REMOVABLE CONNECTOR

SMA (M) REMOVABLE CONNECTOR

Ø0.09 THRU HOLE, 2 PLACES

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001:2000 CERTIFIED



PRODUCT FEATURE

DD-20-218-5PF-2-N
OPTION M

APPROVALS

DATE

DRAWN *sk* 08/08/11

CHECKED

ISSUED

TITLE	SIZE	FSCM NO.	DWG NO.	SCALE	N:S	SHEET	1 OF 1
DD-20-218-5PF-2-N OPTION M	A	05X00	27008381				

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