DESCRIPTION

PMI MODEL DD-812-9PF-P-SMF IS A HIGH SPEED, HIGH SENSITIVITY DIODE DETECTOR REQUIRING NO BIAS AND OFFERING EXCELLENT TEMPERATURE STABILITY, WITH A RESPONSE TIME OF LESS THAN 5 NANOSECONDS. THE FREQUENCY RANGE IS 8 TO 12 GHz.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	_	PRELIMINARY	1/23/19	

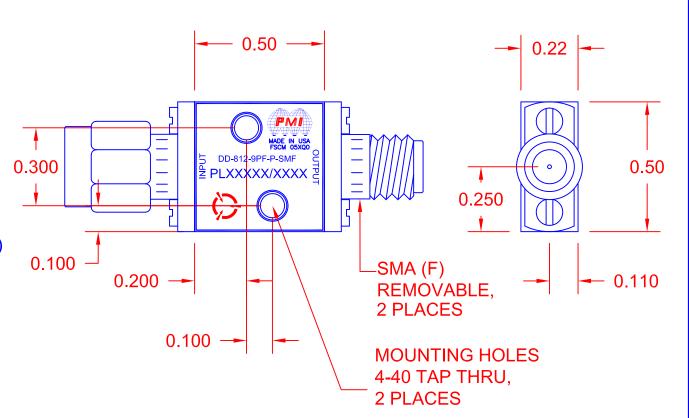
MECHANICAL OUTLINE

SPECIFICATIONS

- FREQUENCY RANGE: 8 TO 12 GHz • VSWR IN/OUT: ______ 2.4:1 TYP
- FREQUENCY FLATNESS: ±0.4 dB MAX
- RISE TIME: ______ 5 ns TYP
- VOLTAGE SENSITIVITY:— 700 mV/mW MIN
- TANGENTIAL SENSITIVITY: ---- -50 dBm @ 2 MHz VIDEO BANDWIDTH
 - (WITH 2 dB NOISE FIGURE AMPLIFIER)
- VIDEO CAPACITANCE: 9.0 pF NOMINAL
- OUTPUT VOLTAGE: POSITIVE

(NEGATIVE IS AVAILABLE)

- MAX INPUT POWER:——— +20 dBm
- CONNECTORS: SMA (M) INPUT & SMA (F) OUTPUT
- FINISH: PAINTED BLUE
- SIZE: _____ (L) 0.50" x (W) 0.50" x (H) x 0.22"



PMI CONFIDENTIAL AND PROPRIETARY

ENVIRONMENTAL RATINGS

- TEMPERATURE: -54°C TO +85°C (OPERATING) -65°C TO +100°C (STORAGE)
- HUMIDITY: _____ MIL-STD-202F, MÈTHOD 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

PLANAR MONOLITHICS INDUSTRIES. INC.

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ISSUED

DD-812-9PF-P-SMF HIGH SPEED HIGH SENSITIVITY DIODE DETECTOR

PRODUCT FEATURE

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

TOLERANCES:

ALL DIMENSIONS ARE IN INCHES

05XQ0

PRELIMINARY

SHEET 1 OF 1