

DESCRIPTION:

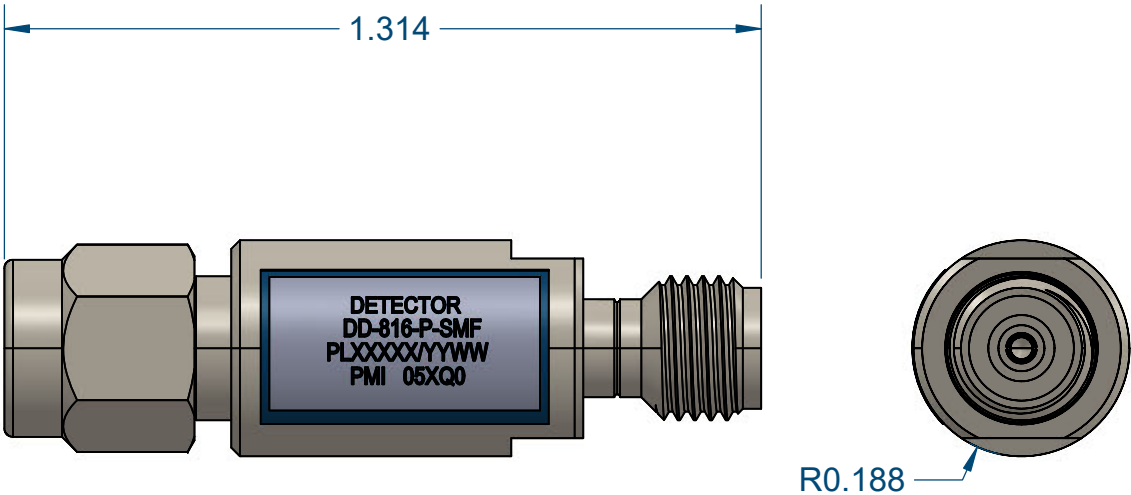
PMI MODEL: DD-816-P-SMF IS A TUNNEL DIODE DETECTOR OPERATING OVER THE 8.0 TO 16.0 GHz FREQUENCY RANGE. THIS MODEL OFFERS EXCELLENT TEMPERATURE STABILITY AND VERY LOW SENSITIVITY.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	6/22/23	

SPECIFICATIONS:

- FREQUENCY:..... 8.0 TO 16.0 GHz
- TSS (BW=2MHz, NF=3dB):..... -48 dBm MAX
- OUTPUT VOLTAGE VS LOAD :..... 15 mV MIN @ 100 OHMS / 80 mV MIN @ OPEN*
- VSWR:..... 2.3:1 TYP, 3.5:1 MAX
- PASSBAND FLATNESS:..... +/-0.6dB TYP, +/- 1.0 dB MAX
- VIDEO POLARITY:..... POSITIVE
- CONNECTORS:..... 2.92 MALE RF IN/ FEMALE VIDEO OUT
100% COMPATIBLE WITH SMA
- WEIGHT:..... 2oz MAX
- FINISH:..... NICKEL PLATED

*(Vout WITH Pin @ -10dBm)



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -30°C TO +75°C (OPERATING)
-40°C TO +85°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B

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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± .XX ± 0.02 ±
± .XXX ± 0.01

APPROVALS	DATE
DRAWN M.LAULIS	6/22/23
REDRAWN	
ISSUED	

Quantac PMI

PLANAR MONOLITHICS

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ISO 9001 CERTIFIED

TITLE
OUTLINE
DD-816-P-SMF

SIZE B	FSCM NO. 05XQ0	DWG NO. 27046740	REV. A1
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SCALE 3:1	SHEET 1 OF 1
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