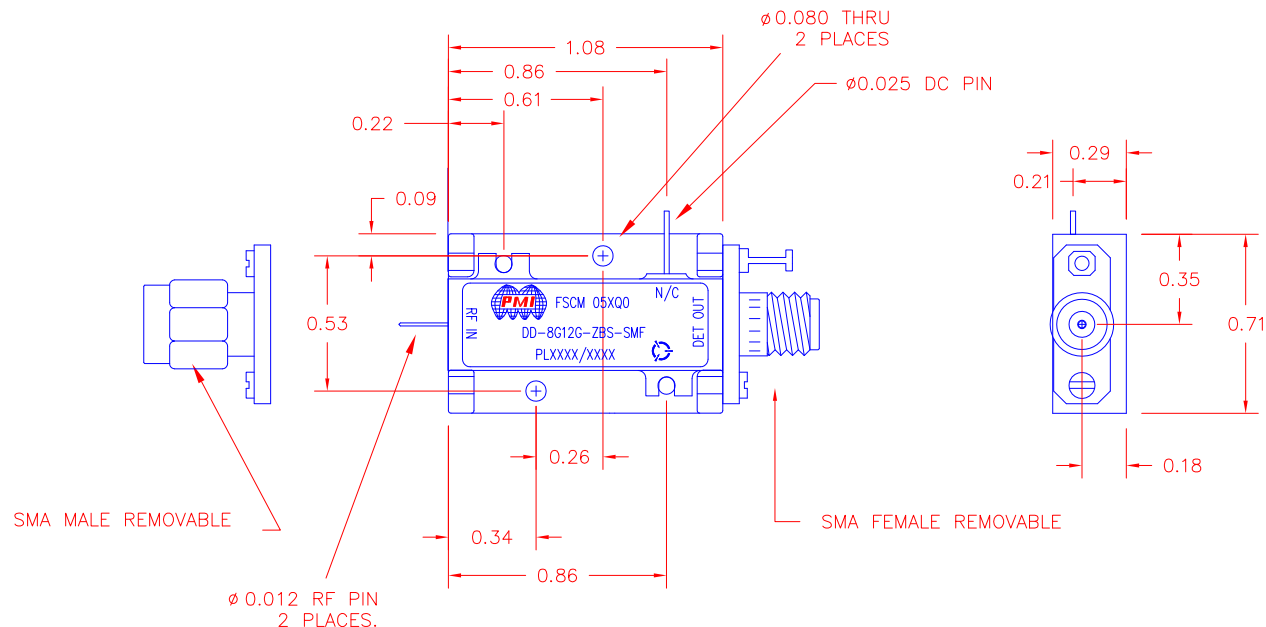


## DESCRIPTION:

PMI MODEL NUMBER DD-8G12G-ZBS-SMF IS A ZERO-BIAS SCHOTTKY DETECTOR THAT OPERATES OVER THE 8.0 TO 12.0 GHz FREQUENCY RANGE.

## SPECIFICATIONS:

- FREQUENCY: 8.0 GHz TO 12.0 GHz
- VSWR: 1.6:1 MAX.
- FLATNESS: +/-1.0dB TYPICAL
- OUTPUT POLARITY: POSITIVE
- INPUT POWER: +20 dBm
- SENSITIVITY: 400 mV/mW TYPICAL
- INPUT CONNECTOR: SMA MALE
- OUTPUT CONNECTOR: SMA FEMALE
- SIZE: PE2 HOUSING
- FINISH: GOLD PLATED



PMI CONFIDENTIAL AND PROPRIETARY

## ENVIRONMENTAL RATINGS:

- TEMPERATURE: -40°C TO +70°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY: 95±4% FROM +30 TO +70°C
- SHOCK: HALF-SINE, 15G, 11ms, 3 SHOCKS PER AXIS
- VIBRATION: 0.2G<sup>2</sup>/Hz FROM 20 TO 350 Hz. -3 dB/OCTAVE TO 2KHz
- ALTITUDE: 17 km
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

## PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001-2008 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>JS</i>		9/11/15	PRODUCT FEATURE			
CHECKED			DD-1G18G-ZBS-SMF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	PRELIMINARY	-
SCALE N:S			SHEET 1 OF 1			