

**DESCRIPTION:**

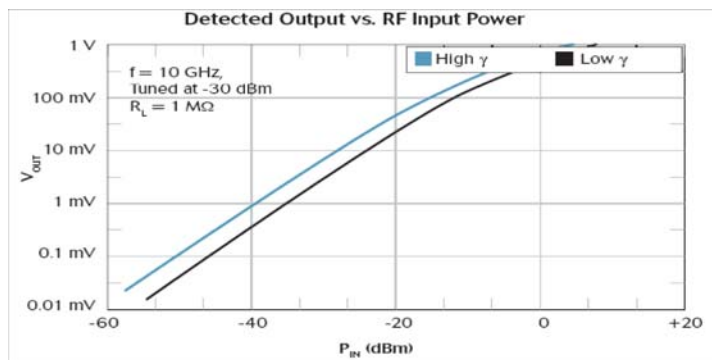
PMI MODEL NUMBER DD-1G18G-ZBS-SMF IS A ZERO-BIAS SCHOTTKY DETECTOR THAT OPERATES OVER THE 1.0 TO 18.0 GHz FREQUENCY RANGE.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	ORIGINAL RELEASE	9/2/11	

**SPECIFICATIONS:**

- FREQUENCY: 1.0 GHz TO 18.0 GHz
- VSWR: 8.0:1 TYPICAL
- FLATNESS: +/-1.0dB TYPICAL
- OUTPUT POLARITY: POSITIVE
- INPUT POWER: 100mW, DERATED TO ZERO AT +150°C
- INPUT CONNECTOR: SMA MALE
- OUTPUT CONNECTOR: SMA FEMALE
- SIZE: PE2 HOSUING
- FINISH: GOLD PLATED

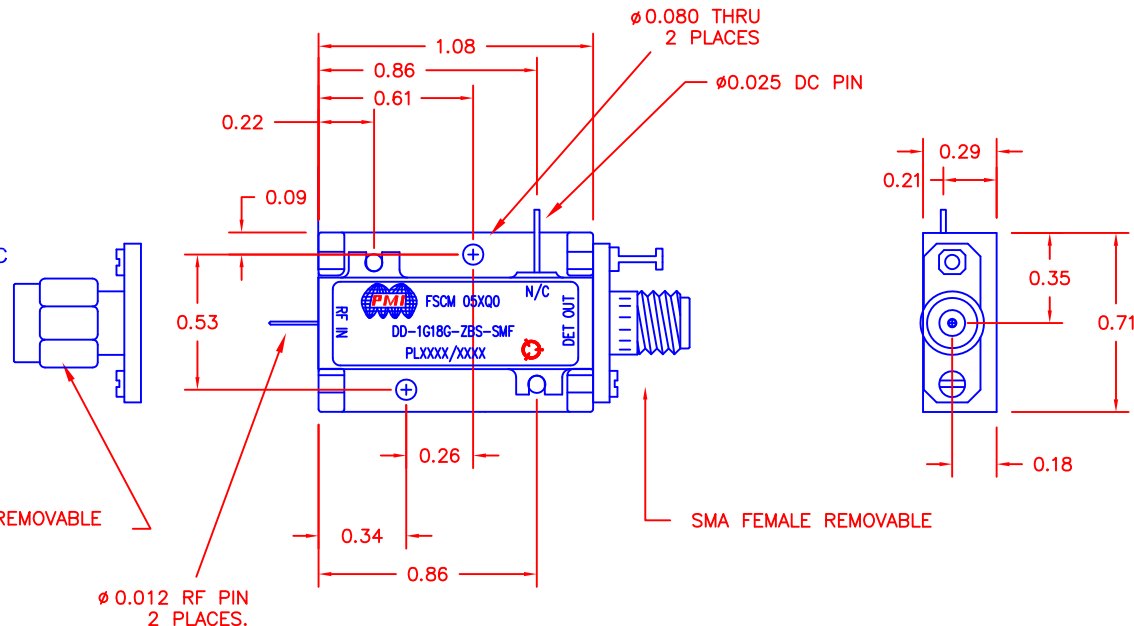
• DETECTED OUTPUT: SEE BELOW (TYPICAL)



**ENVIRONMENTAL RATINGS:**

- TEMPERATURE: -45°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 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			
DRAWN		9/2/11	PRODUCT FEATURE			
CHECKED			DD-1G18G-ZBS-SMF			
ISSUED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27015422	A
SCALE N:S			SHEET 1 OF 1			

ALL DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 .X.XX ±0.020  
 .X.XXX ±0.005