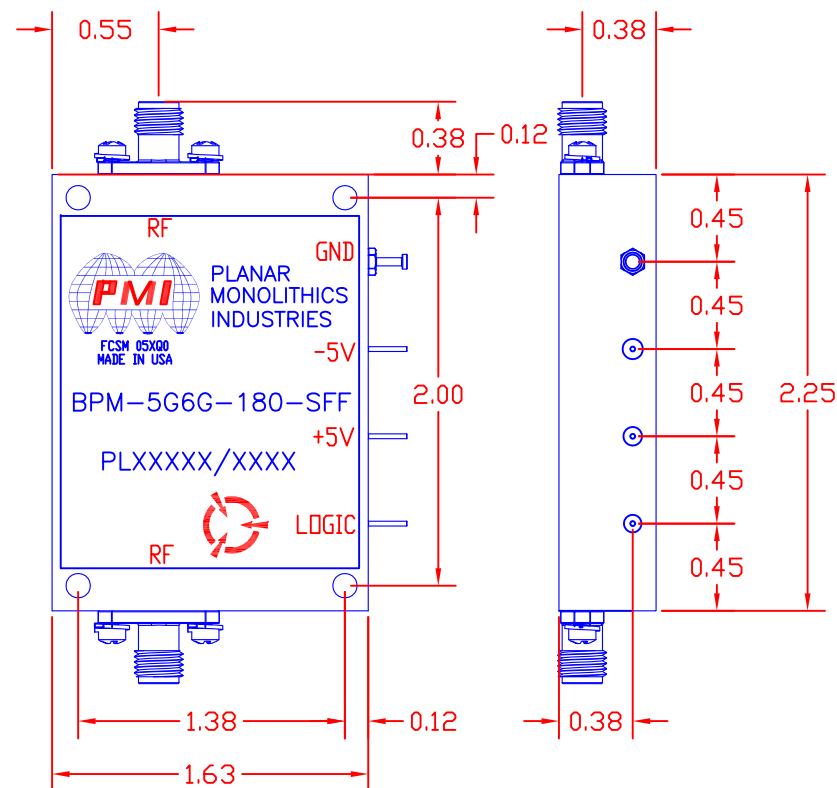


PMI MODEL BPM-5G6G-180-SFF IS A BI-PHASE MODULATOR THAT OPERATES OVER THE FREQUENCY RANGE OF 5.0 TO 6.0GHz. THE INSERTION LOSS IS 2.5dB AND OFFERS A FAST SWITCHING SPEED OF 500ns MAXIMUM. THIS UNIT OPERATES ON +/-5VDC AND IS SUPPLIED WITH SMA FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	—	PRELIMINARY	02/04/15	KM

- FREQUENCY RANGE: _____ 5.0 TO 6.0GHz
- PHASE SHIFT: _____ 0 (REF.) & 180 +/− 5°
- INSERTION LOSS: _____ 2.5dB MAX.
- AMPLITUDE RIPPLE: _____ 0.5dB P-P MAX.
- VSWR: _____ 1.7:1 MAX IN 50Ω
- RF INPUT POWER: _____ +20dBm CW, 1.0W MAX.
- RF CONNECTORS: _____ SMA FEMALE
- CONTROL LOGIC: _____ TTL COMPATIBLE
- LOGIC TABLE: _____
 0 = REFERENCE STATE
 1 = PHASE SHIFT
- SWITCHING SPEED: _____ 500nSec MAX.
- POWER CONSUMPTION: _____ +/−5VDC @ +/−50mA
- POWER/GROUND CONNECTIONS: _____ SOLDER PINS



PMI CONFIDENTIAL AND PROPRIETARY

- **TEMPERATURE:** _____ -55°C TO + 85°C (OPERATING)
_____ -55°C TO +100°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

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

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

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE 5.0 to 6.0GHz BI-PHASE MODULATOR BPM-5G6G-180-SFF		
DRAWN <i>MBerry</i>		02/04/15			
CHECKED					
ISSUED					
		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV —
		SCALE N:S		SHEET 1 OF 1	