DESCRIPTION

PMI MODEL: BPM-2G18G-180-SFF-MB IS A BI-PHASE MODULATOR OPERATING OVER THE 2 TO 18.0 GHz FREQUENCY RANGE. THIS MODEL OFFERS INSERTION LOSS OF 2.2 dB MAXIMUM WHILE MAINTAINING A MINIMUM ISOLATION OF 20 dB. THIS COMPACT HOUSING MEASURES 2.25" x 1.25" x 0.65" AND IS OUTFITTED WITH FIELD REMOVABLE SMA FEMALE CONNECTORS.

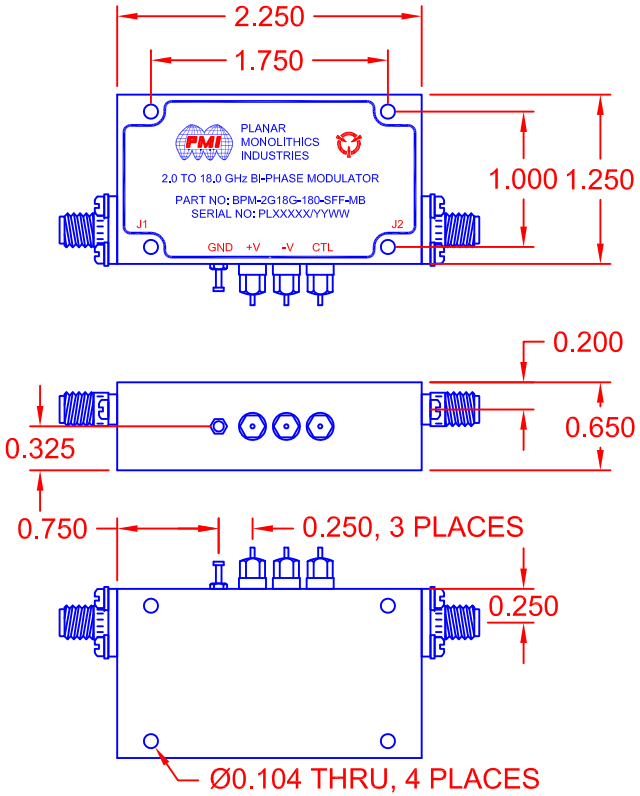
REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	2/2/2017	

SPECIFICATIONS

- FREQUENCY RANGE: ---------- 2.0 TO 18.0 GHz
- INSERTION LOSS: ---------- 2.2 dB MAXIMUM
- ISOLATION: ---------- 20 dB MINIMUM
- DIFFERENTIAL PHASE SHIFT: ---------- TBD°
- DIFFERENTIAL INSERTION LOSS: ---------- TBD dB
- PHASE SHIFT CONTROL INPUT: ---------- TTL "0" = 0°
TTL "1" = 180°
- VSWR: ---------- 1.50:1 MAXIMUM
- SWITCHING SPEED: ---------- 50 ns MAXIMUM
- IMPEDANCE: ---------- 50 Ω
- POWER SUPPLY: ---------- +5 VDC @ 70 mA MAXIMUM
-12 VDC @ 30 mA MAXIMUM
- CONNECTORS: ---------- FIELD REMOVABLE SMA FEMALE
- SIZE: ---------- 2.25" x 1.25" x 0.65"
(57.15 mm x 31.75 mm x 16.51 mm)
- FINISH: ---------- GOLD PLATED

MECHANICAL OUTLINE



ENVIRONMENTAL RATINGS

- TEMPERATURE: ---------- -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ---------- UP TO 90%, NON-CONDENSING
- SHOCK: ---------- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ---------- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ---------- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ---------- MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED

APPROVALS	DATE
DRAWN M. Berry	02/02/17
CHECKED	
ISSUED	

TITLE: PRODUCT FEATURE BPM-2G18G-180-SFF-MB

SIZE	FSCM NO.	DWG NO.	REV.
A	05XQ0	27031760	1

SCALE N:S SHEET 1 OF 1