

DESCRIPTION

PMI MODEL: BPM-2G18G-180-SFF-MB IS A BI-PHASE MODULATOR OPERATING OVER THE 2.0 TO 18.0 GHz FREQUENCY RANGE. THIS MODEL OFFERS INSERTION LOSS OF 5.5 dB MAXIMUM WHILE MAINTAINING A MAXIMUM AMPLITUDE BALANCE OF ±2.0 dB. THIS COMPACT HOUSING MEASURES 2.25" x 1.60" x 0.60" AND IS OUTFITTED WITH FIELD REMOVABLE SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 2.0 TO 18.0 GHz
- INSERTION LOSS: ----- 5.5 dB MAXIMUM
- PHASE SHIFT: ----- ±30°
- AMPLITUDE BALANCE: ----- ±2.0 dB
- PHASE SHIFT CONTROL INPUT: ----- TTL "0" = 0°
TTL "1" = 180°
- VSWR: ----- 2.0:1 MAXIMUM
1.5:1 GOAL
- SWITCHING SPEED: ----- 100 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 1.60" x 0.60"
(57.15 mm x 40.64 mm x 15.24 mm)
- FINISH: ----- GOLD PLATED

ENVIRONMENTAL RATINGS

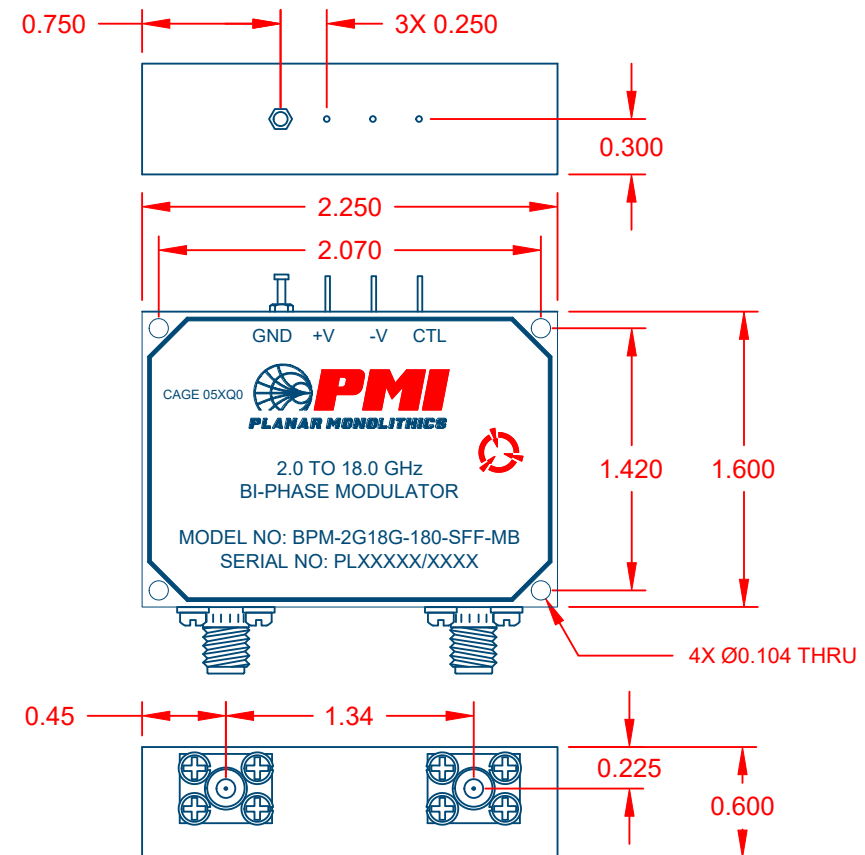
- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- UP TO 90%, NON-CONDENSING
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE: ----- MIL-STD-202,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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	02/02/2017	
	A1	ECN # 17-0194	08/05/2017	

MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE			REV.
DRAWN M.Berry		08/05/17	PRODUCT FEATURE BPM-2G18G-180-SFF-MB			A1
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27031760	
ISSUED			SCALE N:S		SHEET 1 OF 1	