

## DESCRIPTION

PMI MODEL NUMBER: BPM-2G6G-1 IS A HIGH SPEED BI-PHASE MODULATOR, OPERATING OVER THE 2-6GHz FREQUENCY RANGE. THIS MODEL ALSO FEATURES A TTL CONTROL, AND 0.5 WATT POWER HANDLING WITHOUT PERFORMANCE DEGRADATION.

## SPECIFICATIONS

- FREQUENCY RANGE: . . . . . 2 TO 6 GHz
- INSERTION LOSS: . . . . . -2.5dB MAX
- AMPLITUDE ERROR: . . . . . ±0.5dB MAX
- PHASE ERROR: . . . . . ±5° MAX
- VSWR: . . . . . 1.75:1 MAX
- SWITCHING TIME: . . . . . 100nSec MAX
- INPUT POWER: . . . . . +27dBm CW MAX OR PEAK  
(WITHOUT PERFORMANCE DEGRADATION)  
37dB MAX (SURVIVAL POWER)
- DC SUPPLY: . . . . . +5VDC @ 65mA  
-15VDC @ 20mA
- SIZE: . . . . . (L) 1.5" X (W) 1.5" (H) 0.5"
- FINISH: . . . . . BLUE PAINT

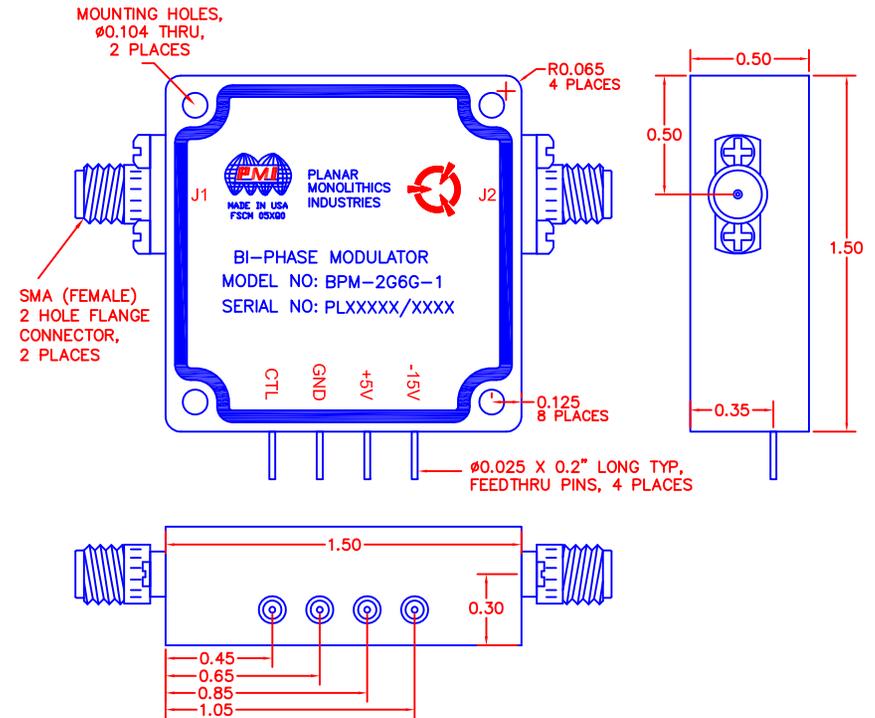
## ENVIRONMENTAL RATINGS:

- TEMPERATURE: . . . . . -40°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 COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	7/9/19	

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

## PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD  
 FREDERICK, MARYLAND 21704 USA  
 TEL: 301-662-5019 FAX: 301-662-1731  
 WEBSITE: [www.pmi-rf.com](http://www.pmi-rf.com)  
 E-MAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
 ISO 9001 CERTIFIED



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

APPROVALS		DATE	TITLE		
DRAWN NJA		7/9/19	PRODUCT FEATURE BPM-2G6G-1		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27036900
ISSUED					REV. A1
			SCALE N: S		SHEET 1 OF 1