

DESCRIPTION:

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

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	7/3/2019	
	B1	SPEC UPDATES ECN # 20-0025	1/29/2020	

SPECIFICATIONS:

- FREQUENCY RANGE:

2 TO 6 GHz
- INSERTION LOSS:

2.5 dB MAX
- AMPLITUDE ERROR:

1 dB MAX PEAK TO PEAK
- PHASE ERROR:

±8° MAX
- VSWR:

1.8:1 MAX
- SWITCHING TIME:

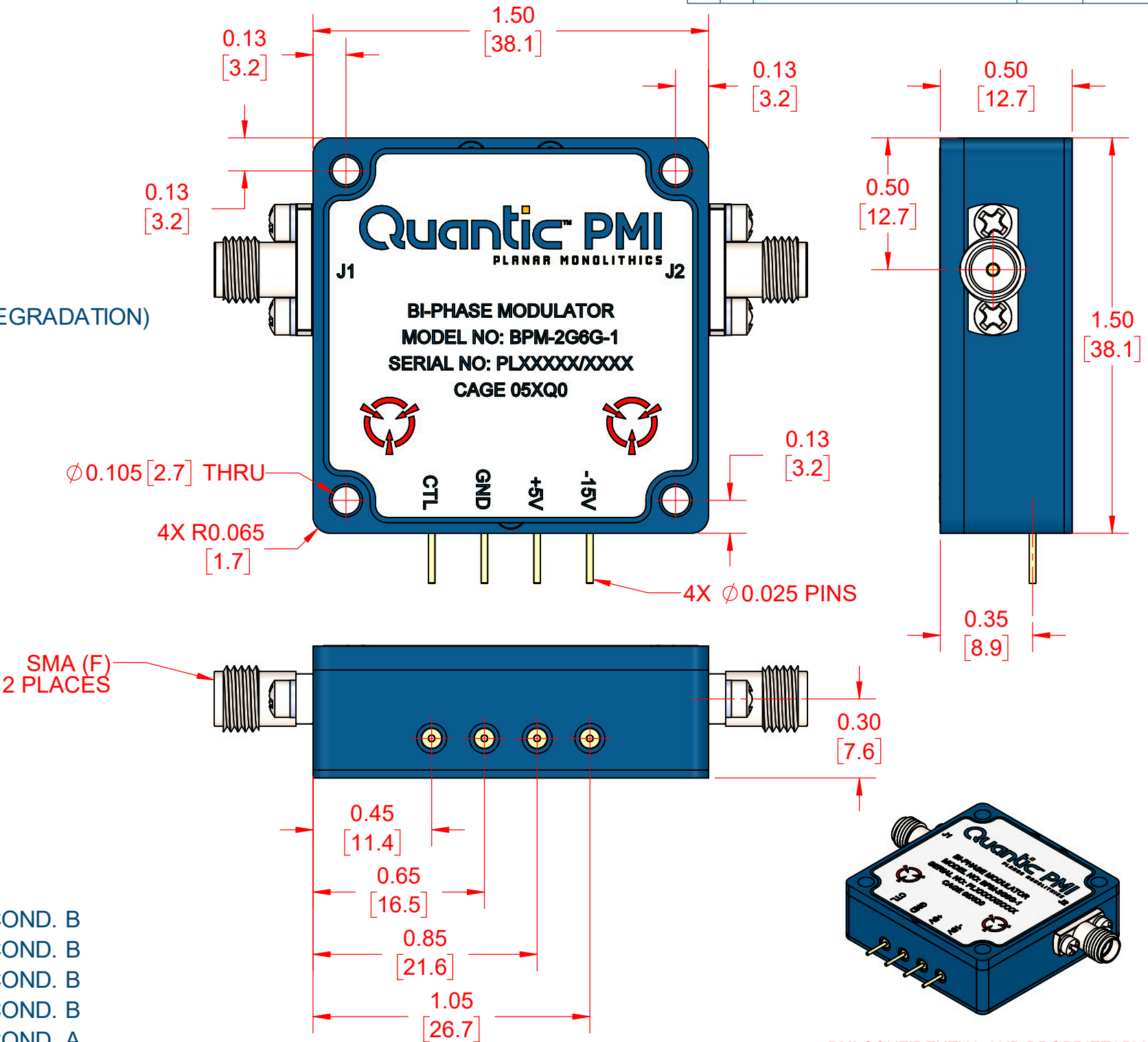
50 ns MAX
- INPUT POWER:

+27 dBm CW MAX
(WITHOUT PERFORMANCE DEGRADATION)
- DC SUPPLY:

+5V @ 50 mA
-15V @ 20 mA
- SIZE:

(L) 1.5" X (W) 1.5" X (H) 0.5"
- FINISH:

PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:

-40°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:

MIL-STD-202, METHOD 103B COND. B
- 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 TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS DECIMALS ANGLES
± .XX ± 0.02 ±
± .XXX ± 0.01

APPROVALS		DATE
DRAWN	NJA	7/3/2019
REDRAWN		
ISSUED		

Quantic PMI

PLANAR MONOLITHICS

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ISO 9001 CERTIFIED

TITLE

OUTLINE
BPM-2G6G-1

SIZE	FSCM NO.	DWG NO.	REV.
B	05XQ0	27036900	B1

SCALE 2:1

SHEET 1 OF 1