

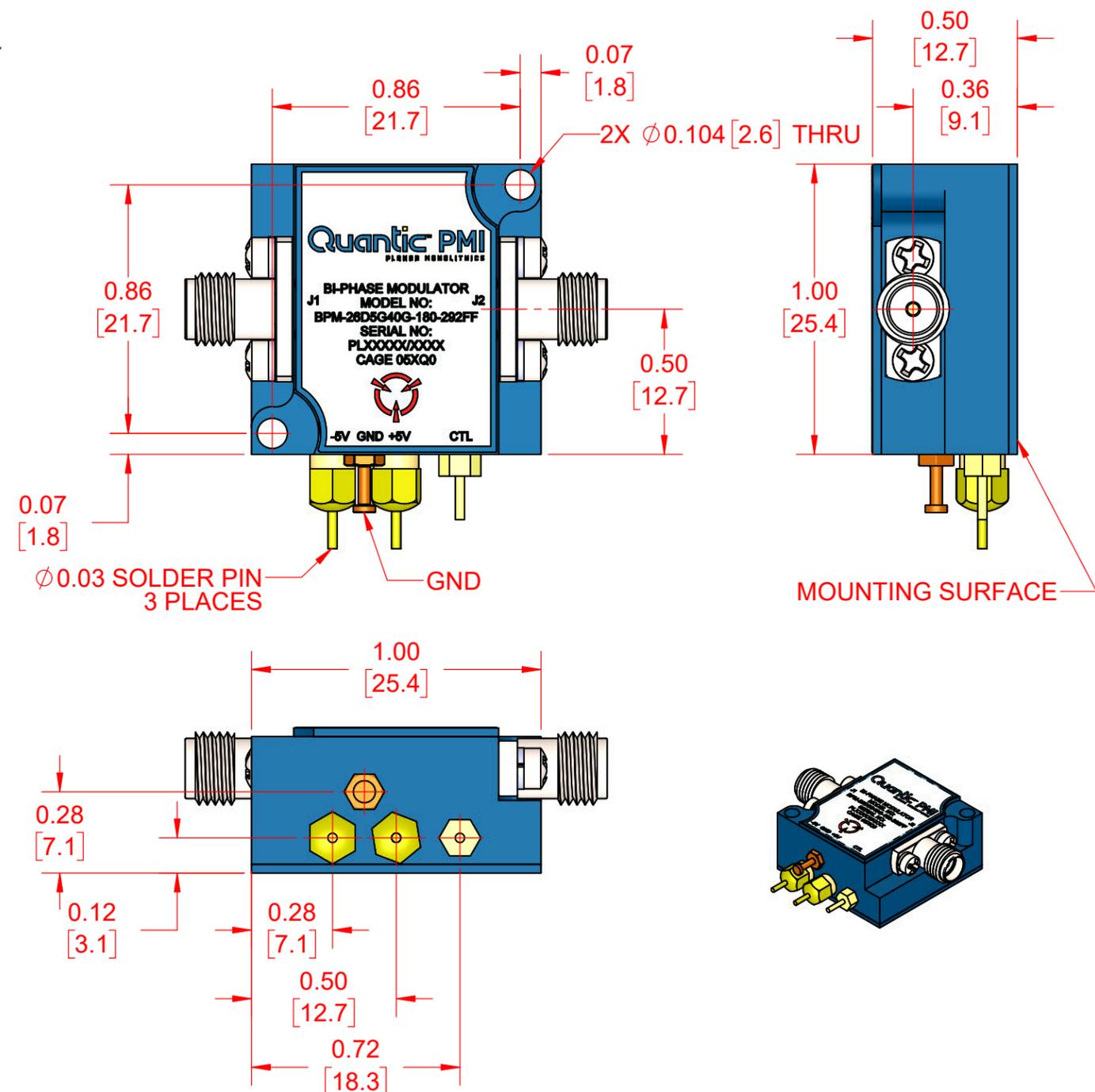
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/14/2018	
	A2	ECN # 19-0098	4/2/2019	

DESCRIPTION:

PMI MODEL NUMBER BPM-26D5G40G-180-292FF IS A BI-PHASE MODULATOR OPERATING OVER THE 26.5 TO 40.0 GHz FREQUENCY RANGE. THIS MODEL OFFERS INSERTION LOSS OF 5.5 dB TYPICAL WHILE MAINTAINING A MAXIMUM AMPLITUDE BALANCE OF ±2.0 dB. THIS COMPACT HOUSING MEASURES 1.0" x 1.0" x 0.5" AND IS OUTFITTED WITH 2.92 mm FEMALE CONNECTORS.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 26.5 TO 40.0 GHz
- INSERTION LOSS:..... 5.5 dB TYP
- PHASE SHIFT:..... ±30° TYP
- AMPLITUDE BALANCE:..... ±2.0 dB TYP
- PHASE SHIFT CONTROL INPUT:..... TTL "0" = 0°
TTL "1" = 180°
- VSWR:..... 2.0:1 GOAL, 3.0:1 MAX
- SWITCHING SPEED:..... 100 ns MAX
- IMPEDANCE:..... 50 Ω
- DC SUPPLY:..... +5 VDC @ 75 mA MAX
-5 VDC @ 20 mA MAX
- CONNECTORS:..... 2.92 mm FEMALE
- SIZE:..... 1.0" x 1.0" x 0.5"
- FINISH:..... PAINTED BLUE



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 TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:</p> <p>FRACTIONS DECIMALS ANGLES</p> <p>± .XX ± 0.02 ±</p> <p> .XXX ± 0.01 ±</p>		<p>APPROVALS DATE</p> <p>DRAWN SPU 11/14/2018</p> <p>REDRAWN J ESCANO 3/6/2025</p> <p>ISSUED</p>		<p>Quantic PMI PLANAR MONOLITHICS</p> <p>7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED</p>		<p>TITLE OUTLINE</p> <p>BPM-26D5G40G-180-292FF</p>		<p>SIZE FSCM NO. DWG NO. REV.</p> <p>B 05XQ0 27035380 A2</p>	
SCALE 2:1				SHEET 1 OF 1					