

DESCRIPTION

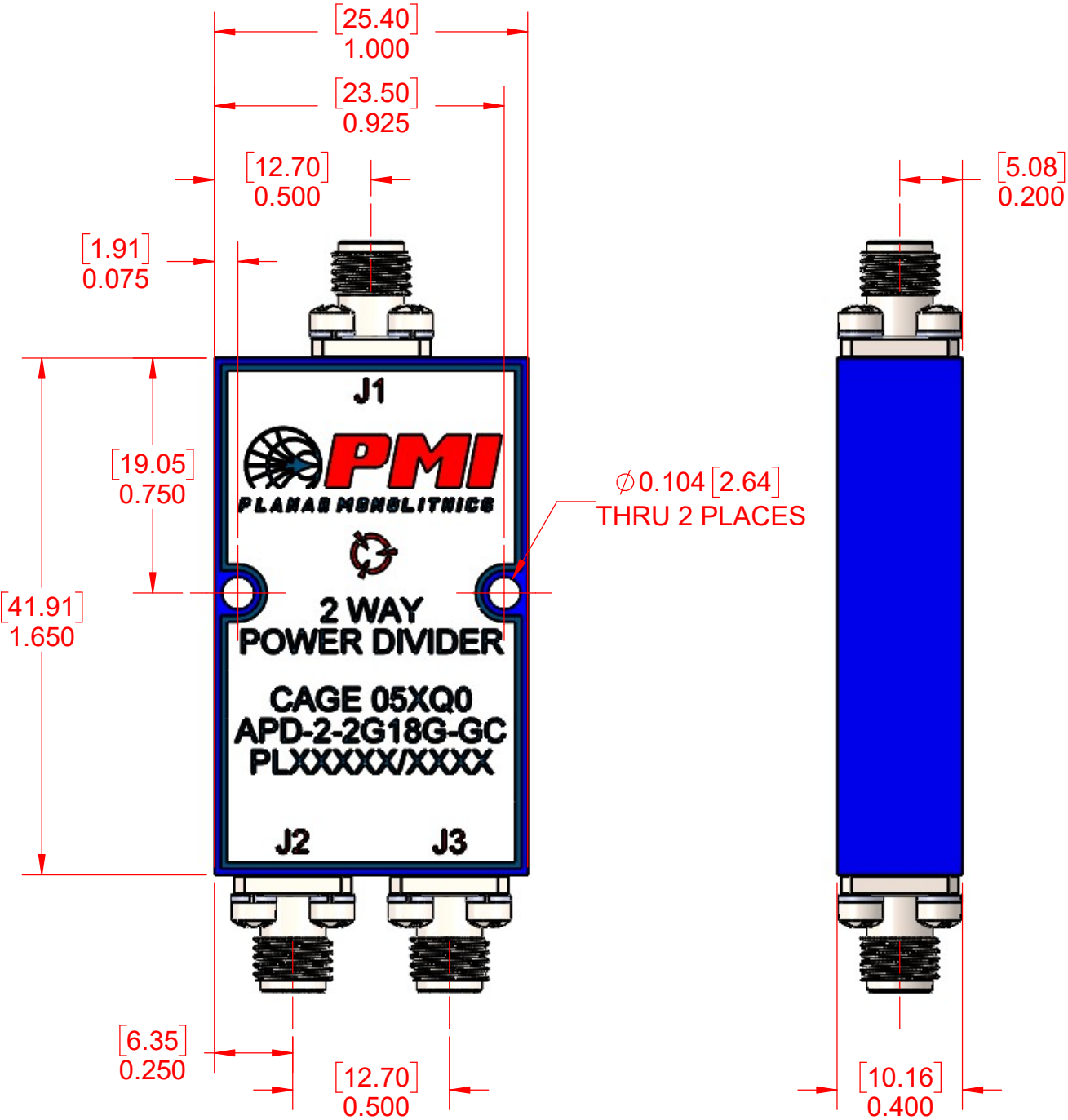
PMI MODEL APD-2-2G18G-GC IS A 2-WAY POWER DIVIDER OPERATING OVER THE 2.0 TO 18.0 GHz FREQUENCY RANGE. THIS UNIT OFFERS A MINIMUM ISOLATION OF 20 dB, A MAXIMUM INSERTION LOSS OF 1 dB, AND AN AMPLITUDE BALANCE OF ±0.3 dB MAXIMUM.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	05/17/2019	
	A2	ECN # 20-0006	01/15/2020	
	A3	ECN # 26-0155	08/03/2026	

SPECIFICATIONS

- FREQUENCY RANGE: 2.0 TO 18.0 GHz
- ISOLATION: 20 dB MIN
- VSWR (INPUT): 1.30:1 MAXIMUM @ 2.0 TO 8.0 GHz
1.40:1 MAXIMUM @ 8.0 TO 18.0 GHz
- VSWR (OUTPUT): 1.25:1 MAXIMUM @ 2.0 TO 8.0 GHz
1.40:1 MAXIMUM @ 8.0 TO 18.0 GHz
- **INSERTION LOSS: 0.5 dB MAXIMUM @ 2.0 TO 8.0 GHz
1.2 dB MAXIMUM @ 8.0 TO 18.0 GHz
- AMPLITUDE BALANCE: ±0.2 dB MAXIMUM @ 2.0 TO 8.0 GHz
±0.3 dB MAXIMUM @ 8.0 TO 18.0 GHz
- PHASE BALANCE: 5° MAXIMUM
- POWER HANDLING: 30 W MAXIMUM FORWARD
- IMPEDANCE: 50 Ω
- CONNECTORS: SMA FEMALE
- WEIGHT: 1.4 Ounces
- SIZE: 41.91 mm X 25.40 mm X 10.16 mm
1.65" X 1.00" X 0.40"
- FINISH: PAINTED BLUE

**THEORETICAL INSERTION LOSS OF A 2-WAY POWER DIVIDER IS 3 dB



ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
- HUMIDITY: UP TO 90%, NON-CONDENSING

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			PMI PLANAR MONOLITHICS 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							
	APPROVALS		DATE		TITLE PRODUCT FEATURE APD-2-2G18G-GC					
	DRAWN M. BERRY		05/17/2019							
	REDRAWN									
	ISSUED		SIZE		FSCM NO.		DWG NO.		REV.	
			B		05XQ0		27036820		A3	
			SCALE 2:1						SHEET 1 OF 1	