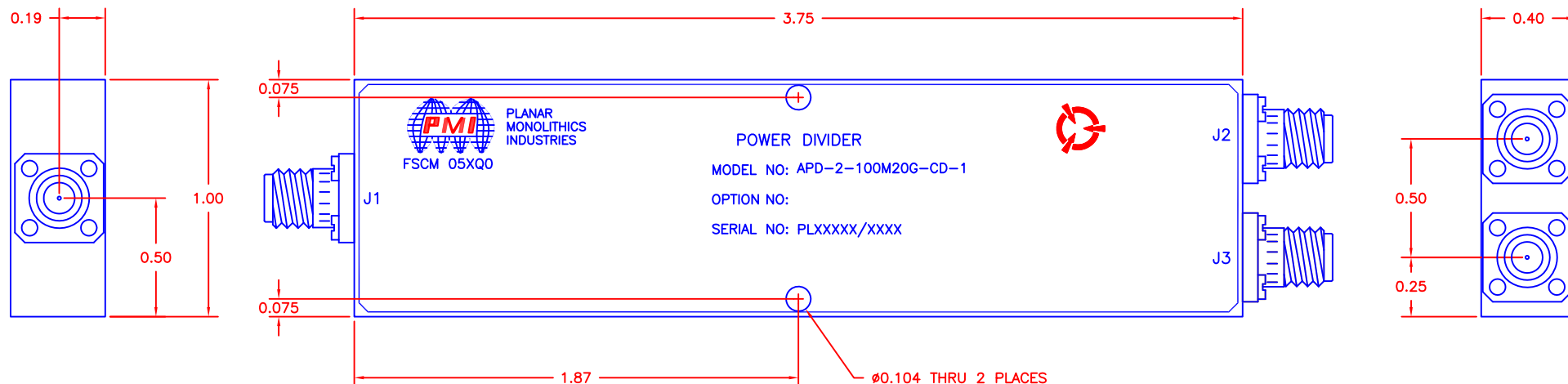


DESCRIPTION

PMI MODEL APD-2-100M20G-CD-1 IS A TWO WAY POWER DIVIDER FEATURING HIGH ISOLATION, LOW INSERTION LOSS, AND LOW VSWR. IT IS DESIGNED FOR BROADBAND USE AND HIGH RELIABILITY.

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	7/28/17



SPECIFICATIONS

- FREQUENCY RANGE: 0.1 TO 20 GHz
- INSERTION LOSS: 0.1 TO 8.0 GHz, 1.85dB TYPICAL
8.0 TO 20 GHz, 3.5dB TYPICAL
- VSWR: 0.1 TO 0.5 GHz, 2.0:1 TYPICAL
0.5 TO 8.0 GHz, 1.5:1 TYPICAL
8.0 TO 20 GHz, 1.6:1 TYPICAL
- ISOLATION: 0.1 TO 0.5 GHz, 6dB TYPICAL
0.5 TO 8.0 GHz, 16.5dB TYPICAL
8.0 TO 20 GHz, 21.0dB TYPICAL
- AMPLITUDE BALANCE: 0.1 TO 8.0 GHz, ± 0.2 dB TYPICAL
8.0 TO 20 GHz, ± 0.45 dB TYPICAL
- PHASE BALANCE: 0.1 TO 8.0 GHz, $\pm 4^\circ$ TYPICAL
8.0 TO 20 GHz, $\pm 5^\circ$ TYPICAL
- AVERAGE POWER INTO LOAD VSWR:
1.2:1 25 WATTS
2.0:1 7.5 WATTS
 ∞ :1 0.75 WATTS
- SIZE: 3.75" (L) x 1.00" (W) x 0.40" (H)
- FINISH: GOLD PLATED

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -55°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 107D COND. A

PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE			
DRAWN		7/28/17		PRODUCT FEATURE			
CHECKED				APD-2-100M20G-CD-1			
ISSUED				0.1 - 20 GHz 2 WAY POWER DIVIDER			
				SIZE	FSCM NO.	DWG NO.	REV.
				A	05XQ0	PRELIMINARY	—
				SCALE	N:S	SHEET	1 OF 1

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