

DESCRIPTION

PMI MODEL NO. APD-2-100M800M-SFF-20W IS A 2-WAY POWER DIVIDER THAT OPERATES OVER THE 100 TO 800 MHz FREQUENCY RANGE. IT HAS A MAXIMUM INSERTION LOSS OF 1.0 dB (ABOVE 3.01 dB SPLIT) AND A MINIMUM ISOLATION OF 23 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 100 TO 800 MHz
- INSERTION LOSS: 1.0 dB MAX (ABOVE 3.01 dB SPLIT)
- VSWR INPUT/OUTPUT: 1.30:1 MAX
- ISOLATION: 23 dB MIN
- AMPLITUDE BALANCE: ± 0.2 dB MAX
- PHASE BALANCE: $\pm 2^\circ$ MAX
- POWER HANDLING: FORWARD: 20 WATTS MAX
REVERSED: 1 WATT MAX
- IMPEDANCE: 50 OHMS
- CONNECTORS: SMA FEMALE
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55 °C TO +85 °C (OPERATING)
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: UP TO 95%, NON-CONDENSING (OPERATING)
- 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 OPERATING TEMPERATURE

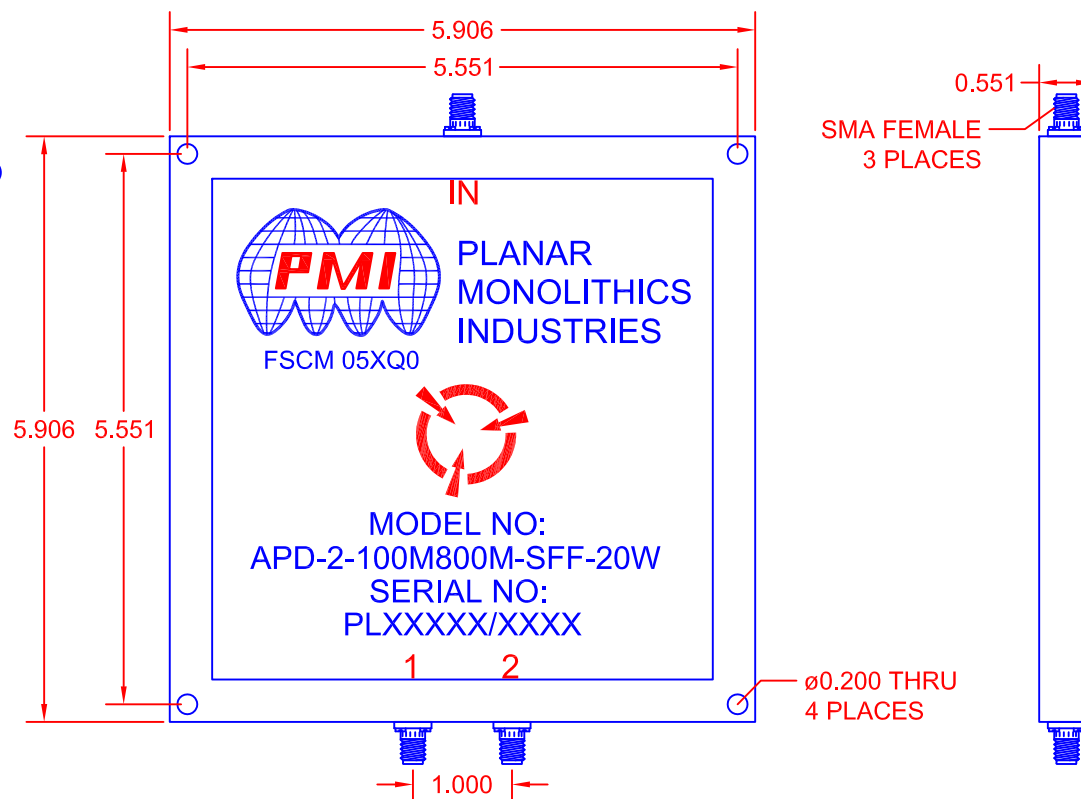
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	5/9/2019	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE APD-2-100M800M-SFF-20W					
APPROVALS	DATE						
DRAWN <i>EW</i>	5/9/19						
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -		
ISSUED		SCALE N:S		SHEET 1 OF 1			