

DESCRIPTION

PMI MODEL NO. APD-2-100M520M-NFF IS A 2-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE OF 100 TO 520 MHz. IT HAS A MAXIMUM INSERTION LOSS OF 0.6 dB AND A MINIMUM ISOLATION OF 23 dB. THIS MODEL IS OUTFITTED WITH N FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 100 TO 520 MHz
- INSERTION LOSS: 0.6 dB MAXIMUM (ABOVE 3.01 dB SPLIT)
- VSWR INPUT/OUTPUT: 1.30:1 MAXIMUM/1.25:1 MAXIMUM
- ISOLATION: 23 dB MINIMUM
- AMPLITUDE BALANCE: ± 0.2 dB MAXIMUM
- PHASE BALANCE: $\pm 2^\circ$ MAXIMUM
- POWER HANDLING: FORWARD: 50 WATTS MAXIMUM
REVERSED: 1 WATT MAXIMUM
- IMPEDANCE: 50 OHMS
- PORT CONNECTORS: N-FEMALE
- WEIGHT: 430 g

ENVIRONMENTAL RATINGS

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

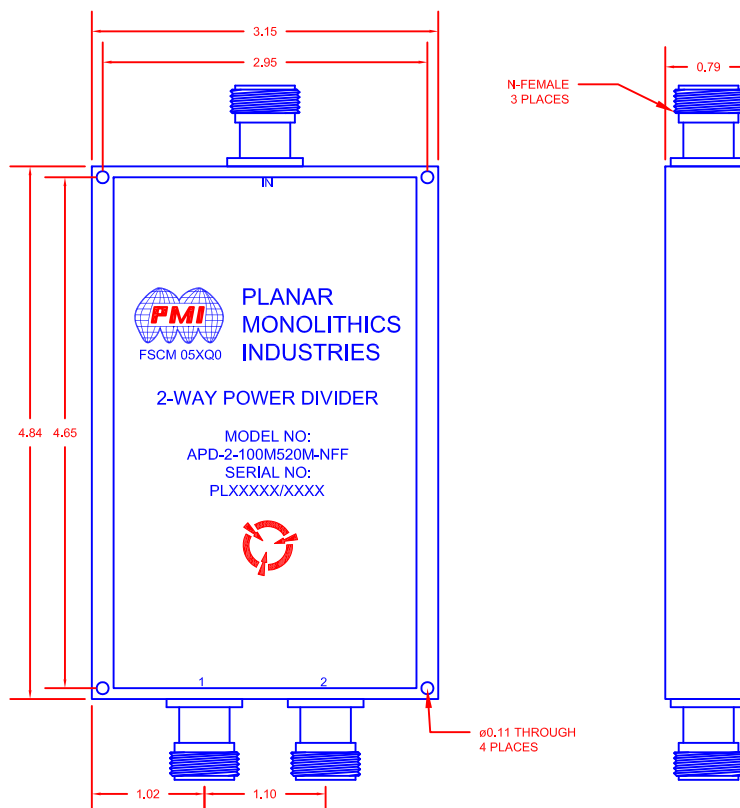
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	10/3/2018	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE APD-2-100M520M-NFF					
APPROVALS	DATE						
DRAWN <i>EW</i>	10/3/18						
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -		
ISSUED		SCALE N:S		SHEET 1 OF 1			