

## 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: -----  $\pm 0.2$  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

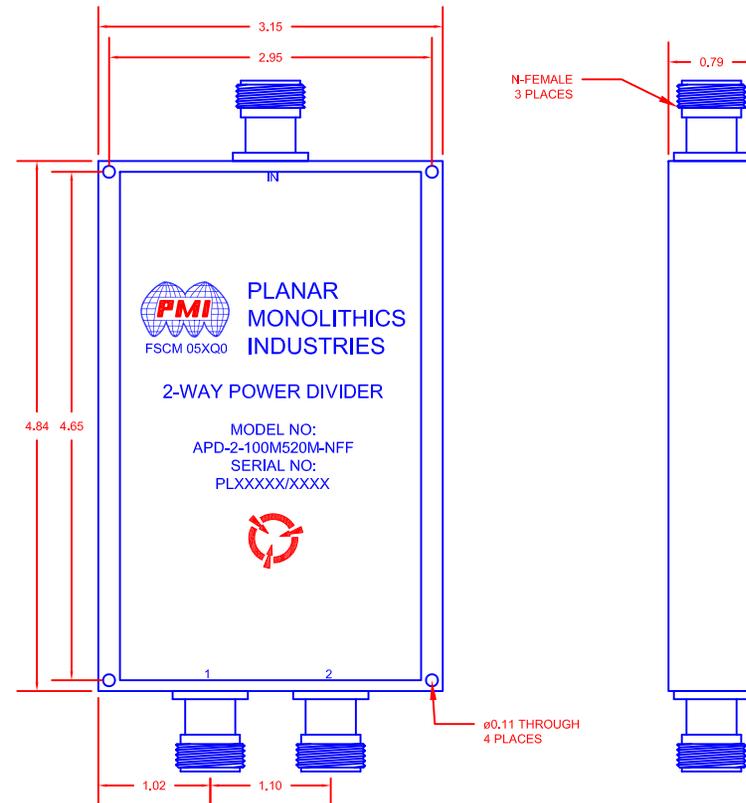
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

ALL DIMENSIONS  
ARE IN INCHES [mm]  
TOLERANCES:  
X,XX  $\pm 0.020$   
X,XXX  $\pm 0.010$

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	10/3/2018	

## MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



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