

DESCRIPTION

PMI MODEL NO. APD-2-100M520M-NFF IS A 2-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE OF 1.0 TO 2.0 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 0.4 dB AND A MINIMUM ISOLATION OF 18 dB.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 1.0 to 2.0 GHz
- INSERTION LOSS: ----- 0.4 dB MAXIMUM (ABOVE 3.01 dB SPLIT)
- VSWR INPUT/OUTPUT: ----- 1.40:1 MAXIMUM
- ISOLATION: ----- 18 dB MINIMUM
- AMPLITUDE BALANCE: ----- ±0.3 dB MAXIMUM
- PHASE BALANCE: ----- ±3° MAXIMUM
- POWER HANDLING: ----- FORWARD: 300 WATTS MAXIMUM
REVERSED: 20 WATT MAXIMUM
- IMPEDANCE: ----- 50 OHMS
- PORT CONNECTORS: ----- N-FEMALE

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

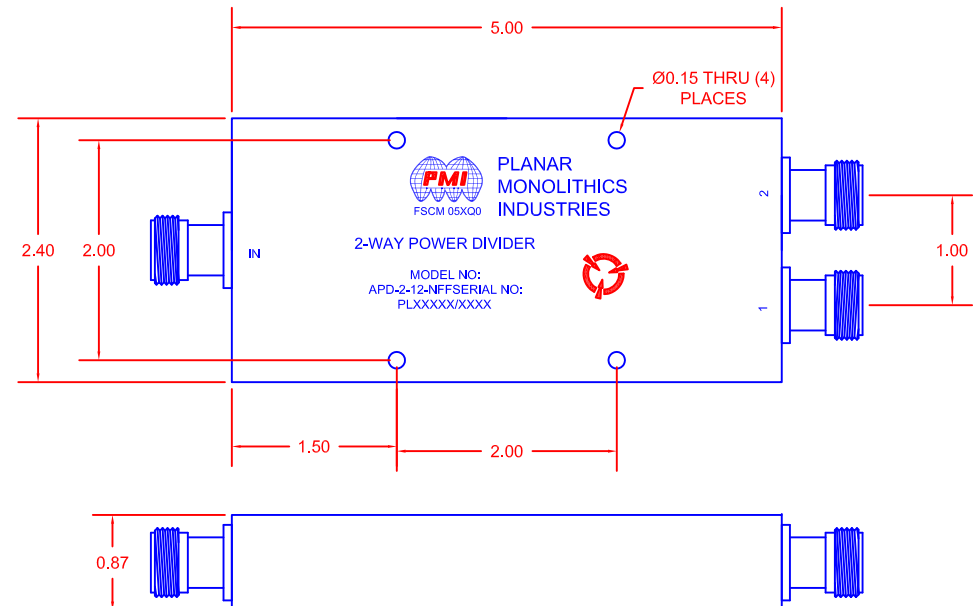
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	3/20/2023	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE				REV.
DRAWN <i>AF</i>		3/20/23	PRODUCT FEATURE APD-2-12-NFF				-
REDRAWN			SIZE	FSCM NO.	DWG NO.	PRELIMINARY	
ISSUED			A	05XQ0		SHEET 1 OF 1	
			SCALE	N:S			

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