

DESCRIPTION

PMI MODEL NO. APD-4-2G18G-NFF IS A 4-WAY POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE OF 2 TO 18 GHz. IT HAS A MINIMUM ISOLATION OF 17 dB. THIS MODEL IS OUTFITTED WITH N FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 2 to 18 GHz
- INSERTION LOSS: 1.95 dB MAXIMUM (ABOVE 3.01 dB SPLIT)
- VSWR INPUT/OUTPUT: 1.60:1 MAXIMUM/1.50:1 MAXIMUM
- ISOLATION: 17 dB MINIMUM
- AMPLITUDE BALANCE: 0.5 dB MAXIMUM
- PHASE BALANCE: $\pm 6^\circ$ MAXIMUM
- POWER HANDLING: FORWARD: 10 WATTS MAXIMUM
REVERSED: 1 WATT MAXIMUM
- IMPEDANCE: 50 OHMS
- PORT CONNECTORS: N-FEMALE
- WEIGHT: 460 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

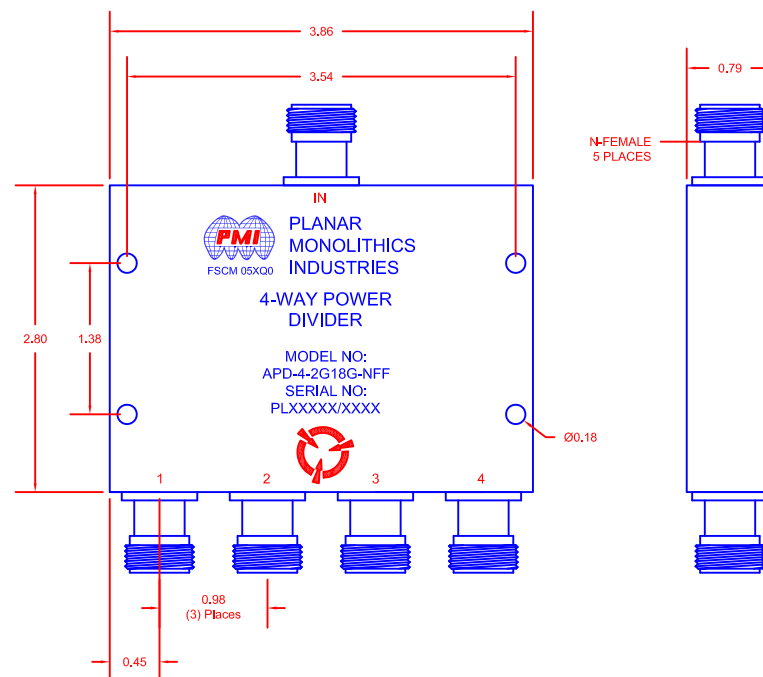
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	5/20/2021	

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



APPROVALS		DATE		TITLE			REV.	
DRAWN		5/20/2021		PRODUCT FEATURE				
REDRAWN				APD-4-2G18G-NFF				
ISSUED				SIZE	FSCM NO.	DWG NO.		
				A	05XQ0	PRELIMINARY		
				SCALE	N:S		SHEET	1 OF 1