

DESCRIPTION

PMI MODEL NO. PCH-90-1545-NFF IS A 90 DEGREE HYBRID COUPLER THAT OPERATES OVER THE FREQUENCY RANGE OF 1.5 TO 4.5 GHz. IT HAS AN INSERTION LOSS OF ≤ 0.5 dB AND AN ISOLATION OF ≥ 20 dB. THIS MODEL IS OUTFITTED WITH N TYPE FEMALE CONNECTORS

SPECIFICATIONS

- FREQUENCY RANGE: 1.5 to 4.5 GHz
- NOMINAL SPLIT: 3.01 dB
- INSERTION LOSS: 0.5 dB MAX
- ISOLATION: 20 dB MIN
- AMPLITUDE BALANCE: ± 0.5 dB MAX
- PHASE BALANCE: $\pm 5^\circ$ MAX
- VSWR: 1.25:1 MAX
- POWER HANDLING: AVERAGE: 300 WATTS MAX
PEAK: 3 KW MAX
- IMPEDANCE: 50 OHMS
- CONNECTORS: NFF FEMALE
- FINISH: PAINTED BLUE
- WEIGHT: 2 OZ

ENVIRONMENTAL RATINGS

- TEMPERATURE: -10 °C TO +65 °C (OPERATING)
- HUMIDITY: UP TO 95%, NON-CONDENSING

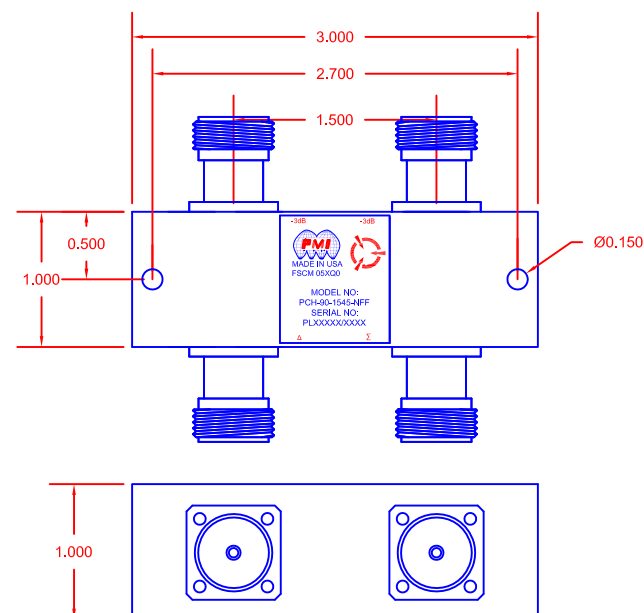
ALL DIMENSIONS
ARE IN INCHES [mm]
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

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
	A1	ORIGINAL RELEASE	4/29/2021	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE PCH-90-1545-NFF				
APPROVALS	DATE					
DRAWN <i>AF</i>	4/29/2021					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO.		REV. A
ISSUED		SCALE N:S		SHEET 1	OF 1	