

DESCRIPTION

PMI MODEL NO. QC-5010-NFF IS A HYBRID COUPLER THAT OPERATES OVER THE FREQUENCY RANGE OF 5.0 TO 10.0 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 1.1 dB AND A MINIMUM ISOLATION OF 16 dB. THIS PRODUCT IS OUTFITTED WITH N FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 5.0 TO 10.0 GHz
- NOMINAL SPLIT: 3.01 dB
- INSERTION LOSS: 1.1 dB MAX
- ISOLATION: 16 dB MIN
- AMPLITUDE BALANCE: ± 0.75 dB MAX
- PHASE BALANCE: $\pm 5^\circ$ MAX
- VSWR: 1.50:1 MAX
- POWER HANDLING: AVERAGE: 75 WATTS MAX
PEAK: 3 KW MAX
- IMPEDANCE: 50 OHMS
- 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

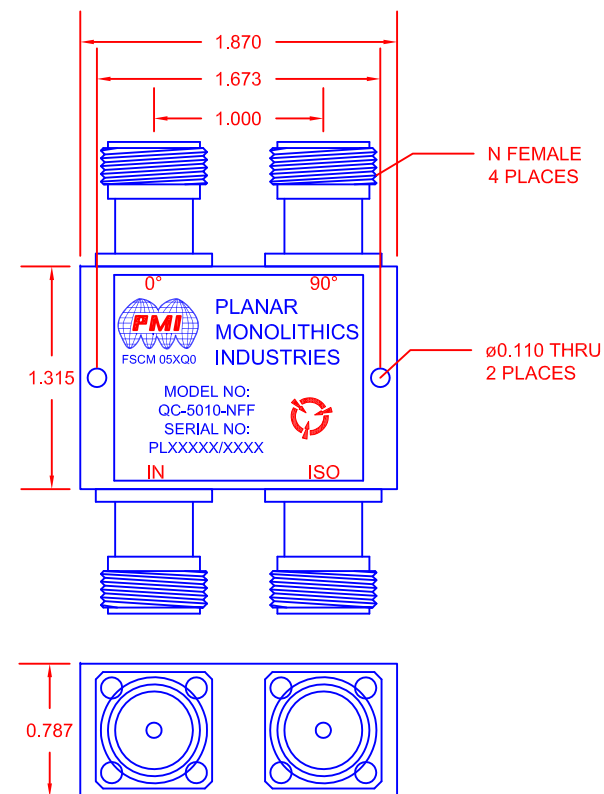
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

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

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/26/2019	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE QC-5010-NFF				
APPROVALS	DATE					
DRAWN <i>EW</i>	<i>12/5/18</i>					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. 27036500	REV -	
ISSUED		SCALE N:S		SHEET 1 OF 1		