

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: ----- ±1.25 dB MAX
- PHASE BALANCE: ----- ±5° 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

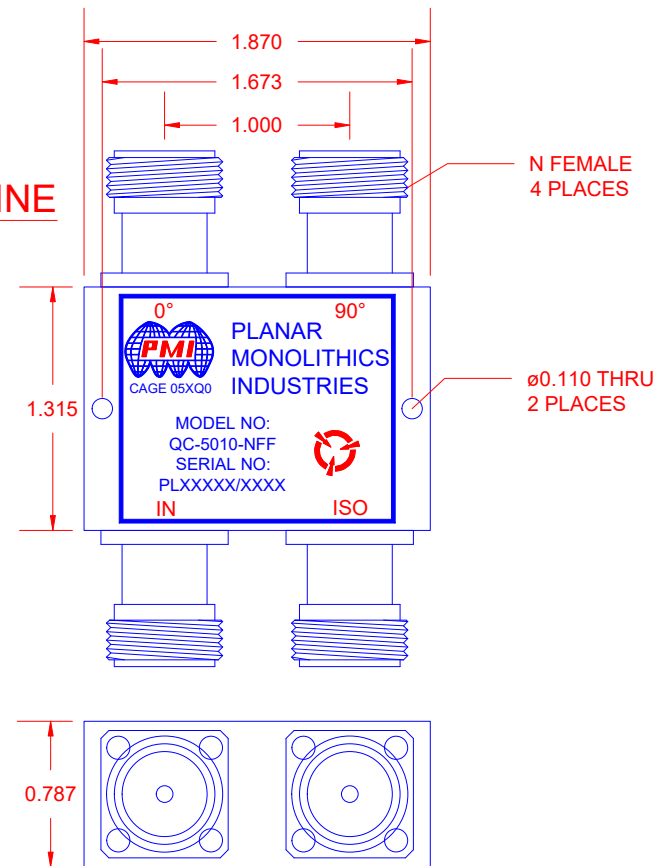
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	
	B1	ECN # 25-0127	4/24/2025	

MECHANICAL OUTLINE



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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>EW</i>		12/5/18	PRODUCT FEATURE QC-5010-NFF			
REDRAWN			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27036500	B1
			SCALE	N:S	SHEET	1 OF 1