

DESCRIPTION

PMI MODEL NO. PCH-180-2R15G3G-SFF IS A 180 DEGREE HYBRID COUPLER THAT OPERATES OVER THE FREQUENCY RANGE OF 2.15 TO 3.0 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 0.60 dB AND A MINIMUM ISOLATION OF 20 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: ----- 2.15 TO 3.0 GHz
- NOMINAL SPLIT: ----- 3.01 dB
- INSERTION LOSS: ----- 0.6 dB MAX
- ISOLATION: ----- 20 dB MIN
- AMPLITUDE BALANCE: ----- ±0.3 dB MAX
- PHASE BALANCE: ----- ±3° MAX
- VSWR: ----- 1.25:1 MAX
- POWER HANDLING: ----- AVERAGE: 20 WATTS MAX
PEAK: 1 KW MAX
- IMPEDANCE: ----- 50 OHMS
- CONNECTORS: ----- SMA FEMALE
- FINISH: ----- PAINTED BLUE

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

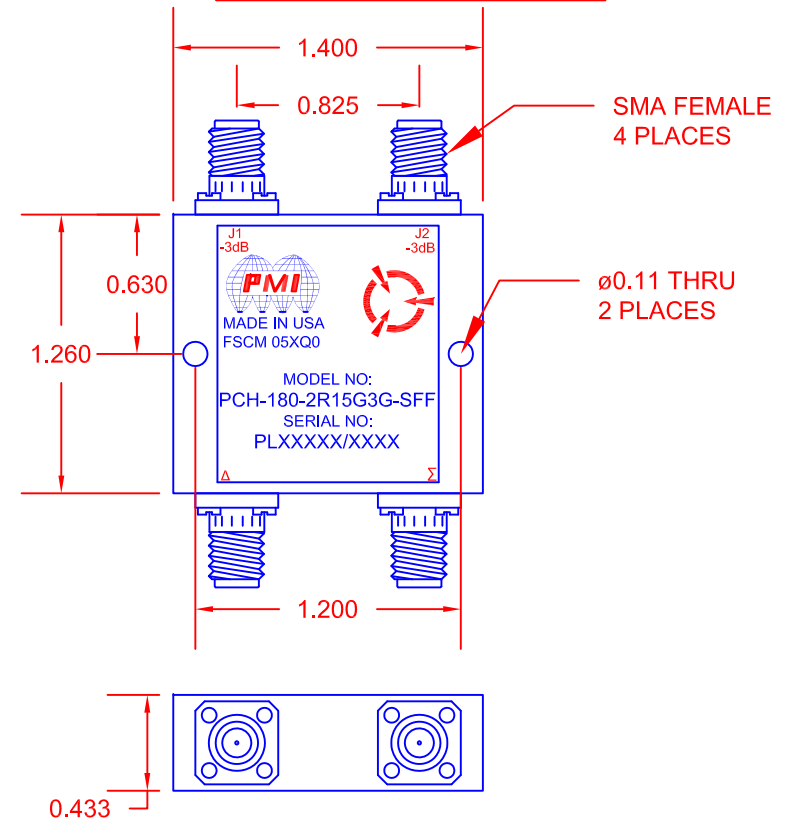
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	2/19/2021	
	A2	ECN # 21-0096	6/9/21	

MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE			
DRAWN <i>EW</i>		12/18/18	PRODUCT FEATURE PCH-180-2R15G3G-SFF			
REDRAWN			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27041200	A2
			SCALE	N:S	SHEET	1 OF 1