

DESCRIPTION

PMI MODEL NO. PCH-180-1R5G2R15G-SFF IS A 180 DEGREE HYBRID COUPLER THAT OPERATES OVER THE FREQUENCY RANGE OF 1.5 TO 2.15 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 0.35 dB AND A MINIMUM ISOLATION OF 20 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 1.5 TO 2.15 GHz
- NOMINAL SPLIT: 3.01 dB
- INSERTION LOSS: 0.35 dB MAX
- ISOLATION: 20 dB MIN
- AMPLITUDE BALANCE: ± 0.3 dB MAX
- PHASE BALANCE: $\pm 3^\circ$ MAX
- VSWR: 1.25:1 MAX
- POWER HANDLING: AVERAGE: 20 WATTS MAX
PEAK: 1 KW MAX
- IMPEDANCE: 50 OHMS
- CONNECTORS: SMA 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

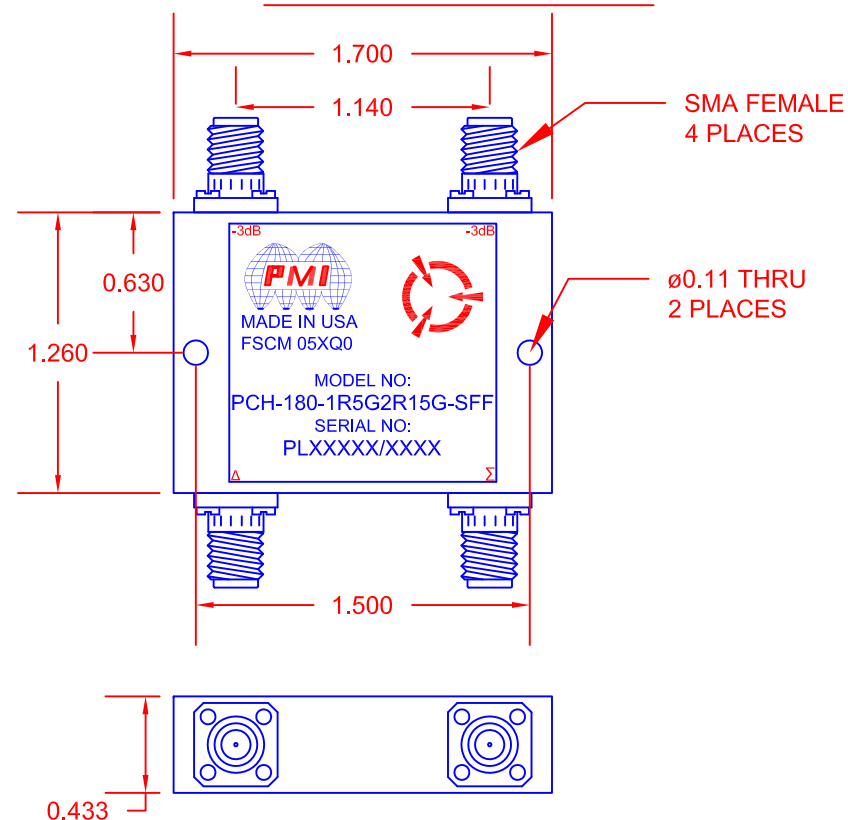
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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
	-	PRELIMINARY	12/18/2018	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE PCH-180-1R5G2R15G-SFF					
APPROVALS	DATE						
DRAWN <i>EW</i>	12/18/18						
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -		
ISSUED		SCALE N:S		SHEET 1 OF 1			