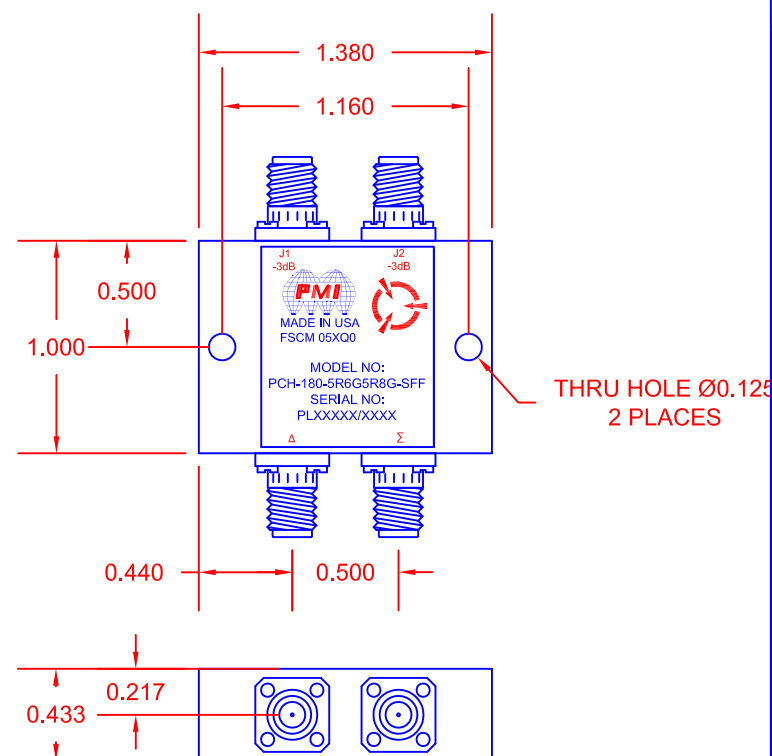


DESCRIPTION

PMI MODEL NO. PCH-180-5R6G5R8G-SFF IS A 180 DEGREE HYBRID COUPLER THAT OPERATES OVER THE FREQUENCY RANGE OF 5.6 TO 5.8 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 0.5 dB AND A MINIMUM ISOLATION OF 20 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	2/25/2021	
	A2	UPDATED	6/29/2021	

MECHANICAL OUTLINE



SPECIFICATIONS

- FREQUENCY RANGE: 5.6 TO 5.8 GHz (Operational from 5.4 to 5.9 GHz)
- NOMINAL SPLIT: 3.01 dB
- INSERTION LOSS: 0.5 dB MAX
- ISOLATION: 20 dB MIN
- AMPLITUDE BALANCE: ± 0.3 dB MAX
- PHASE BALANCE: $\pm 3^\circ$ MAX
- VSWR: 1.30:1 MAX
- POWER HANDLING: AVERAGE: 50 WATTS MAX
PEAK: 1 KW MAX
- IMPEDANCE: 50 OHMS
- CONNECTORS: SMA FEMALE
- FINISH: PAINTED BLUE
- WEIGHT: 2 OZ

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

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

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE PCH-180-5R6G5R8G-SFF				
APPROVALS	DATE					
DRAWN <i>AF</i>	2/25/2021					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. 27041740	REV. A	
ISSUED		SCALE N:S		SHEET 1 OF 1		