

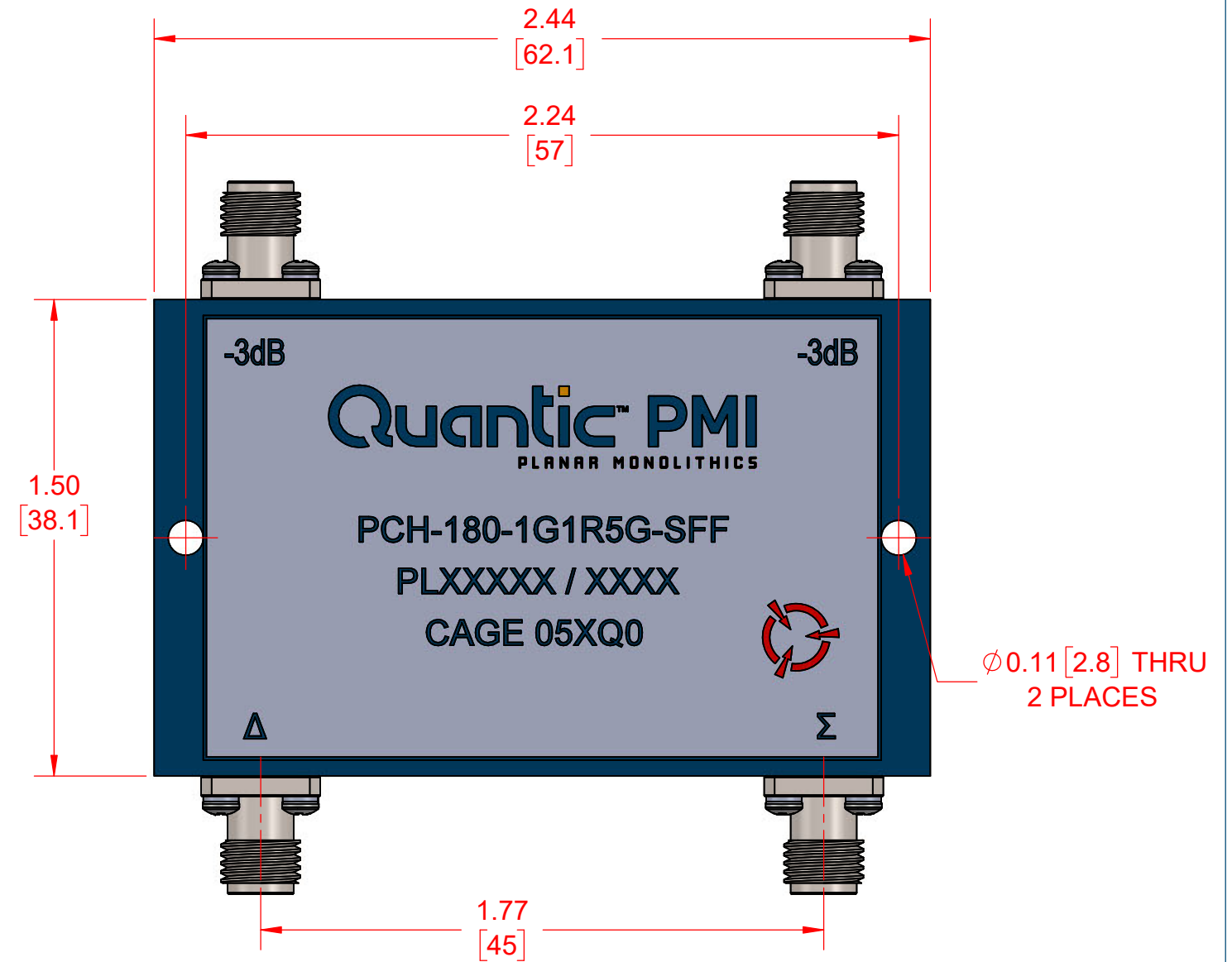
DESCRIPTION:

PMI MODEL NO. PCH-180-1G1R5G-SFF IS A 180 DEGREE HYBRID COUPLER THAT OPERATES OVER THE FREQUENCY RANGE OF 1.0 TO 1.5 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.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	10/2/2023	
	B1	ECN # 23-0224	11/22/2023	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 1.0 TO 1.5 GHz
- NOMINAL SPLIT:..... 3.01 dB
- INSERTION LOSS:..... 0.6 dB MAXIMUM
- ISOLATION:..... 20 dB MINIMUM
- VSWR:..... 1.25:1 MAXIMUM
- AMPLITUDE BALANCE:..... ±0.3 dB MAXIMUM
- PHASE BALANCE:..... ±3° MAXIMUM
- POWER HANDLING:..... AVERAGE: 20 W MAXIMUM
PEAK: 1 kW MAXIMUM
- IMPEDANCE:..... 50 Ω
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- HUMIDITY:..... UP TO 95%, NON-CONDENSING
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.010 ± XXX ± 0.005		PART NO.		 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 862-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED	
MATERIAL:		APPROVALS	DATE		
FINISH:		DRAWN S AZHAR	10/2/2023	TITLE PCH-180-1G1R5G-SFF OUTLINE	
NEXT ASSY	USED ON	ISSUED		SIZE B	FSCM NO. 05XQ0
APPLICATION				DWG NO. 27047480	REV. B1
				SCALE 2:1	SHEET 1 OF 1