

DESCRIPTION

PMI MODEL QC-17G21G-SFF-30W IS A 17.7 TO 21.2 GHz 90° HYBRID COUPLER WITH A MAXIMUM ISOLATION OF 17 dB AND A MAXIMUM INSERTION LOSS OF 1.2 dB. THIS MODEL IS DESIGNED WITH AN AMPLITUDE BALANCE OF ±0.5 dB AND A PHASE BALANCE OF ±5°. THE PACKAGE SIZE IS 1.80" X 1.00" X 0.43" WITH SMA FEMALE CONNECTORS.

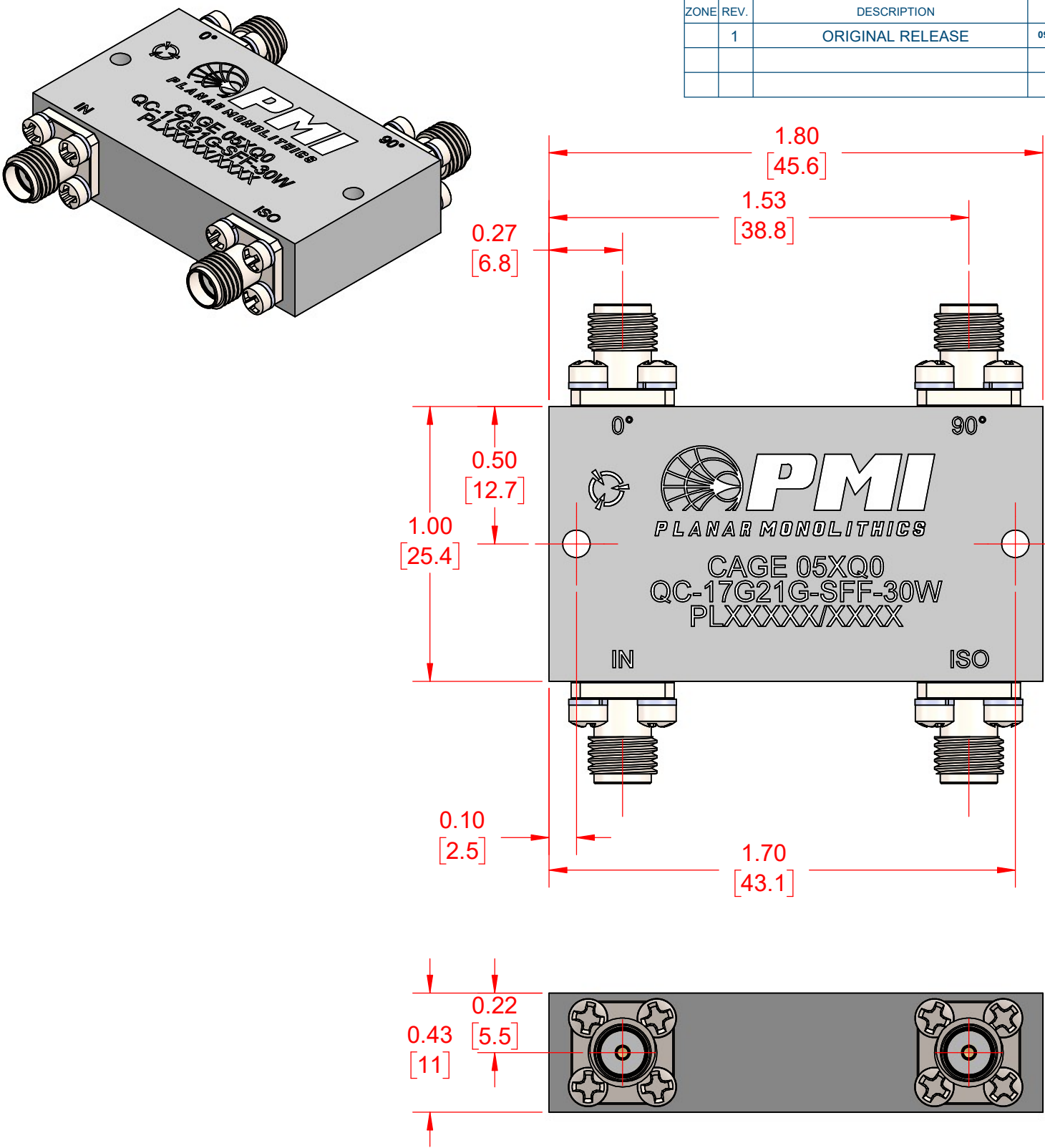
SPECIFICATIONS

- FREQUENCY RANGE: 17.7 TO 21.2 GHz
- NOMINAL SPLIT: 3.01 dB
- INSERTION LOSS: 1.2 dB MAX
- ISOLATION: 17 dB MIN
- AMPLITUDE BALANCE: ± 0.5 dB MAX
- PHASE BALANCE: ± 5° MAX
- VSWR: 1.50:1 MAX
- POWER HANDLING: 30 WATT AVG., 1 KW PEAK
- IMPEDANCE: 50 Ω
- CONNECTORS: 4 X SMA FEMALE
- FINISH: CLEAR CHEM COAT

ENVIRONMENTAL RATINGS

- TEMPERATURE: -55°C TO +85°C (OPERATING)
-65°C TO +25°C (STORAGE)
- HUMIDITY: 95%, NON-CONDENSING
- SHOCK: MIL-STD-202, METHOD 213 COND. B
- VIBRATION: MIL-STD-202, METHOD 204 COND. B
- ALTITUDE: MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107 COND. A

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



ZONE	REV.	DESCRIPTION	DATE	APPROVED
	1	ORIGINAL RELEASE	09/01/2026	

		PMI CONFIDENTIAL AND PROPRIETARY			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01			 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-5019, FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM, EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED		
	APPROVALS	DATE	TITLE		