

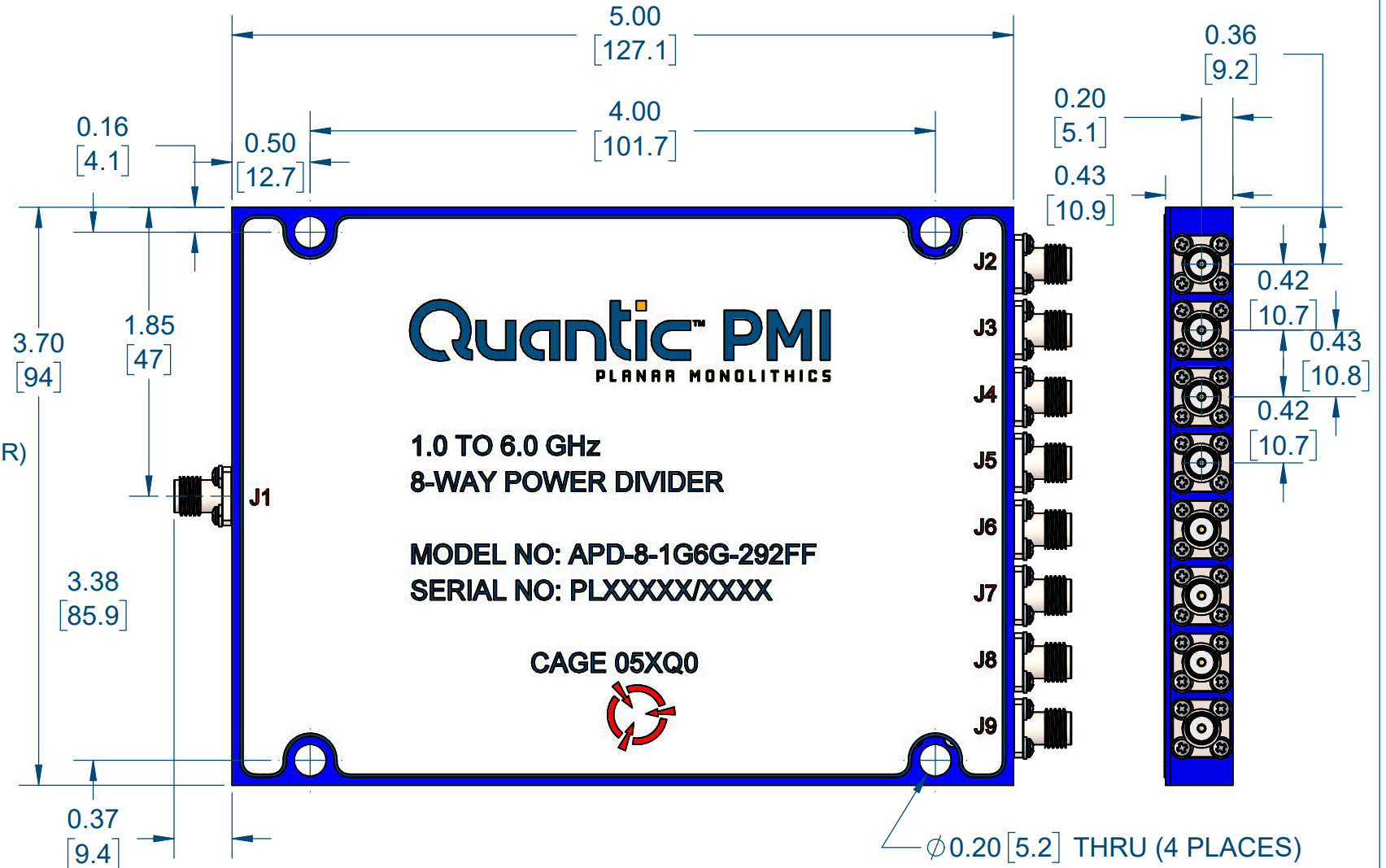
DESCRIPTION:

PMI MODEL NUMBER APD-8-1G6G-292FF IS AN EIGHT WAY POWER DIVIDER OPERATING OVER THE 1 TO 6 GHz FREQUENCY RANGE. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 2.5 dB FROM 1 TO 6 GHz. THE COMPACT 5.0" X 3.7" X .43" HOUSING IS OUTFITTED WITH 2.92 mm FEMALE CONNECTORS.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/24/2025	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 1 TO 6 GHz
- INSERTION LOSS:..... 1 TO 2 GHz - 2.0 dB MAX
2 TO 6 GHz - 2.5 dB MAX
- INSERTION LOSS FLATNESS
(REF LINE OF BEST FIT):..... 1 TO 6 GHz - ± 1 dB MAX
- VSWR (INPUT):..... 1 TO 2 GHz - 2.6:1 MAX
2 TO 6 GHz - 2.1:1 MAX
- VSWR (OUTPUT):..... 1 TO 2 GHz - 1.5:1 MAX
2 TO 6 GHz - 1.7:1 MAX
- ISOLATION:..... 1 TO 2 GHz - 10 dB TYP
2 TO 6 GHz - 20 dB TYP
- AMPLITUDE BALANCE:..... 1 TO 2 GHz - ± 0.5 dB MAX
2 TO 6 GHz - ± 0.3 dB MAX
- PHASE BALANCE:..... 1 TO 2 GHz - 3° MAX
2 TO 6 GHz - 4° MAX
- AVERAGE POWER:..... 25 WATTS (INTO 1.2:1 LOAD VSWR)
- CONNECTORS:..... 2.92 mm FEMALE REMOVABLE
- SIZE:..... 5.00" X 3.70" X 0.43"
[127.1 X 94.0 X 10.9 mm]
EXCLUDING CONNECTORS
- FINISH:..... PAINTED BLUE



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202, METHOD 105 COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D

PMI CONFIDENTIAL AND PROPRIETARY

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		APPROVALS DATE DRAWN G.MENDEZ 11/24/2025 REDRAWN		TITLE OUTLINE APD-8-1G6G-292FF	
		ISSUED		SIZE FSCM NO. DWG NO. REV. B 05XQ0 27053741 A1	
SCALE 1:2			SHEET 1 OF 1		

Quantic PMI
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