

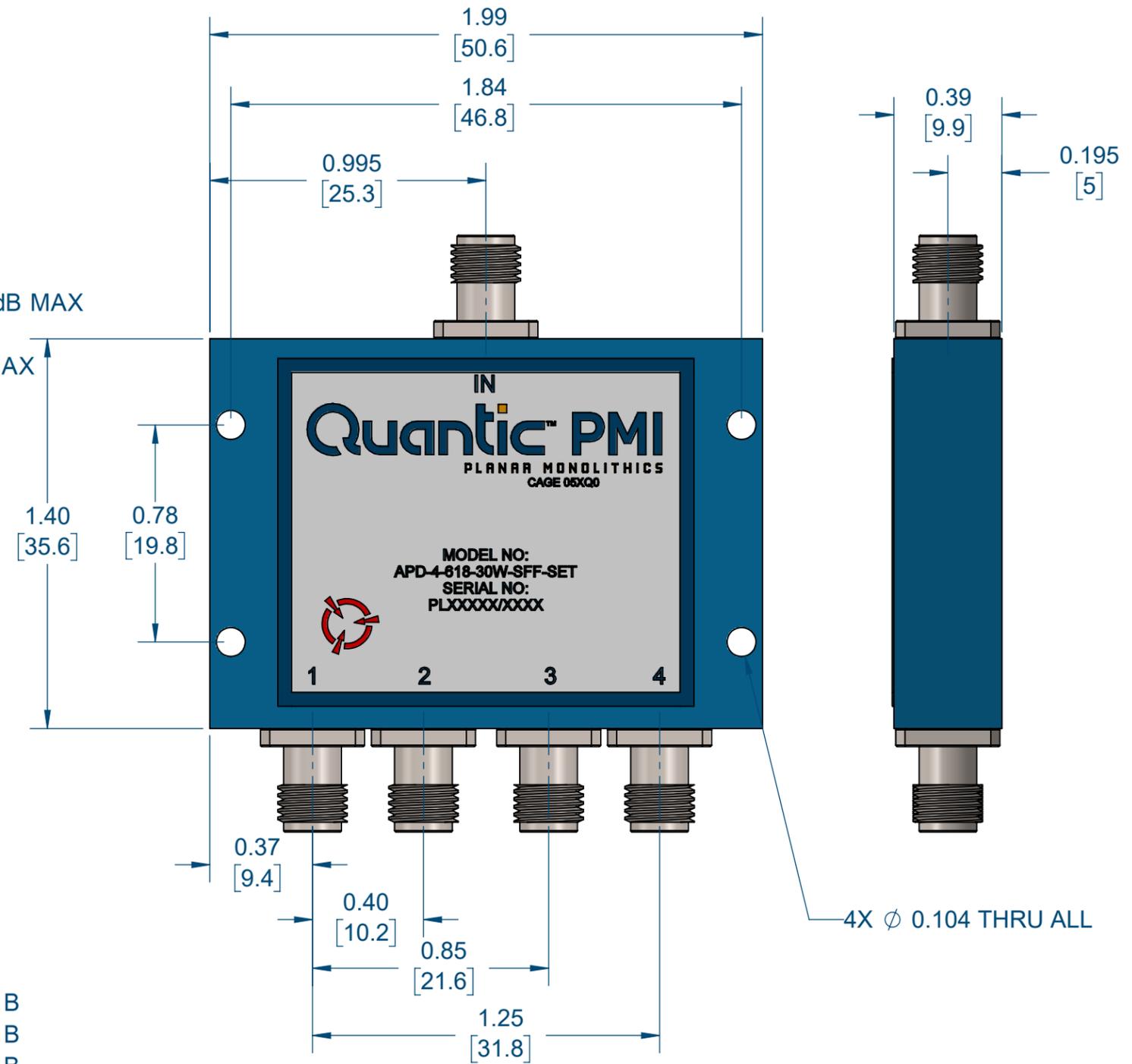
DESCRIPTION:

QUANTIC PMI MODEL APD-4-618-30W-SFF IS A FOUR-WAY POWER DIVIDER OPERATING OVER THE 6 TO 18 GHz FREQUENCY RANGE. THIS MODEL HAS A MAXIMUM INSERTION LOSS OF 1.1 dB AND AT LEAST 18 dB OF ISOLATION. THE COMPACT 1.99" X 1.40" X 0.39" HOUSING IS OUTFITTED WITH SMA FEMALE CONNECTORS.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/17/2024	

SPECIFICATIONS:

- FREQUENCY RANGE:..... 6.0 TO 18.0 GHz
- ISOLATION:..... 18 dB MIN
- INSERTION LOSS:..... 1.1 dB MAX (ABOVE 6.02 dB SPLIT)
- VSWR (IN/OUT):..... INPUT: 1.5:1 MAX
..... OUTPUT: 1.4:1 MAX
- AMPLITUDE BALANCE:..... ARM TO ARM: ±0.3 dB MAX
..... UNIT TO UNIT(PER SET OF 4): ±0.3 dB MAX
- PHASE BALANCE:..... ARM TO ARM: ±3° MAX
..... UNIT TO UNIT(PER SET OF 4): ±5° MAX
- POWER HANDLING:..... FORWARD: 30 W MAX
..... REVERSE: 1 W MAX
- IMPEDANCE:..... 50 OHM
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE
- WEIGHT:..... 50 g
- SIZE:..... 1.99" X 1.40" X 0.39"



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
- ALTITUDE:..... MIL-STD-202, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202, METHOD 107D COND. A

PMI CONFIDENTIAL AND PROPRIETARY

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

APPROVALS DRAWN M.LAULIS REDRAWN ISSUED		DATE		TITLE OUTLINE APD-4-618-30W-SFF-SET	
		12/17/2024			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		SIZE	FSCM NO.	DWG NO.	REV.
		B	05XQ0	27050300	A1
		SCALE 2:1			SHEET 1 OF 1

Quantic PMI
 PLANAR MONOLITHICS
 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