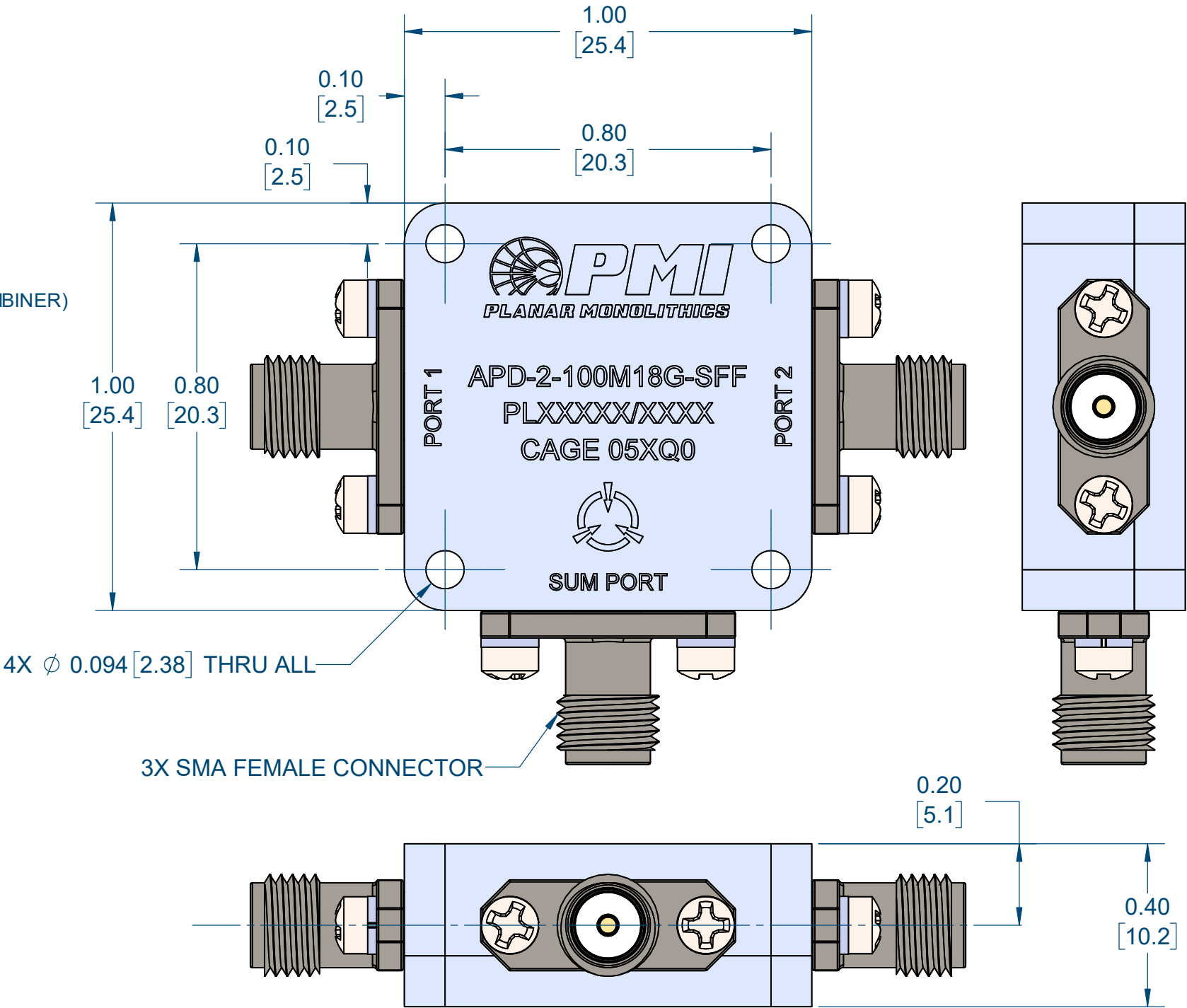
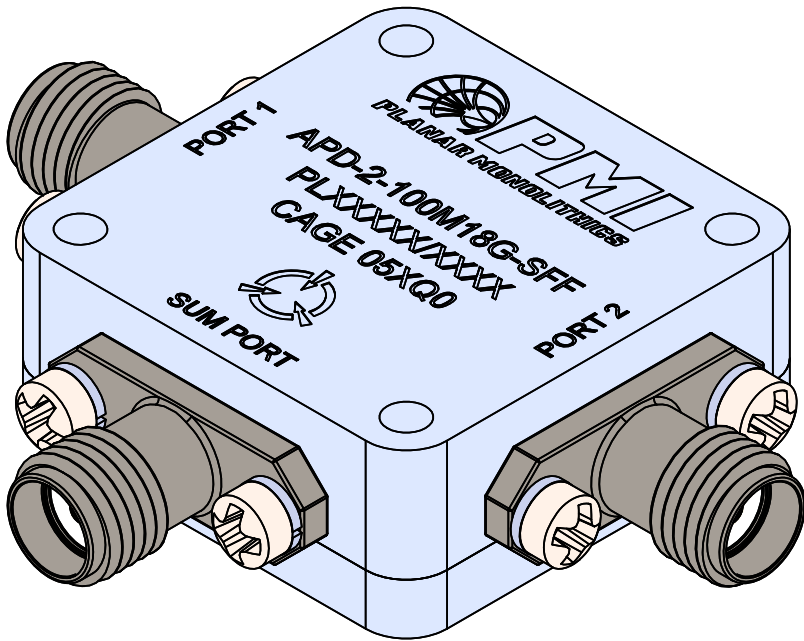


DESCRIPTION:

PMI MODEL APD-2-100M18G-SFF IS A 100 MHz TO 18 GHz, 2-WAY, 0°, 50 Ω POWER SPLITTER/COMBINER THAT PROVIDES EXCELLENT POWER HANDLING UP TO 0.6 W WITH LOW INSERTION LOSS, GOOD ISOLATION, AND LOW PHASE AND AMPLITUDE UNBALANCE. THE PACKAGE SIZE IS 1.0" × 1.0" × 0.4" WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS:

- FREQUENCY RANGE:..... 100 MHz TO 18 GHz
- INSERTION LOSS:..... 8.0 dB MAX.
- ISOLATION:..... 7 dB MIN. (100 MHz - 4 GHz)
15 dB MIN. (4 - 18 GHz)
- PHASE UNBALANCE:..... 20° MAX.
- AMPLITUDE UNBALANCE:..... 0.5 dB MAX.
- VSWR:..... 2.0:1 MAX. (SUM PORT)
2.0:1 MAX. (PORT 1 AND PORT 2)
- INPUT POWER:..... 27 dBm CW MAX. (AS A SPLITTER)
24 dBm CW MAX. ON EACH INPUT (AS A COMBINER)
- FINISH:..... NICKEL PLATED



ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -55°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202, METHOD 103 COND. B
- 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
	A1	ORIGINAL RELEASE	1/31/26	

PMI CONFIDENTIAL AND PROPRIETARY

			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						
						APPROVALS		DATE	
DRAWN			AL		1/31/26	TITLE OUTLINE APD-2-100M18G-SFF			
REDRAWN									
ISSUED						SIZE	FSCM NO.	DWG NO.	REV.
						B	05XQ0	27054400	A1
						SCALE 3:1			SHEET 1 OF 1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES ± .XX ± 0.02 ± .XXX ± 0.01		