

**DESCRIPTION:**

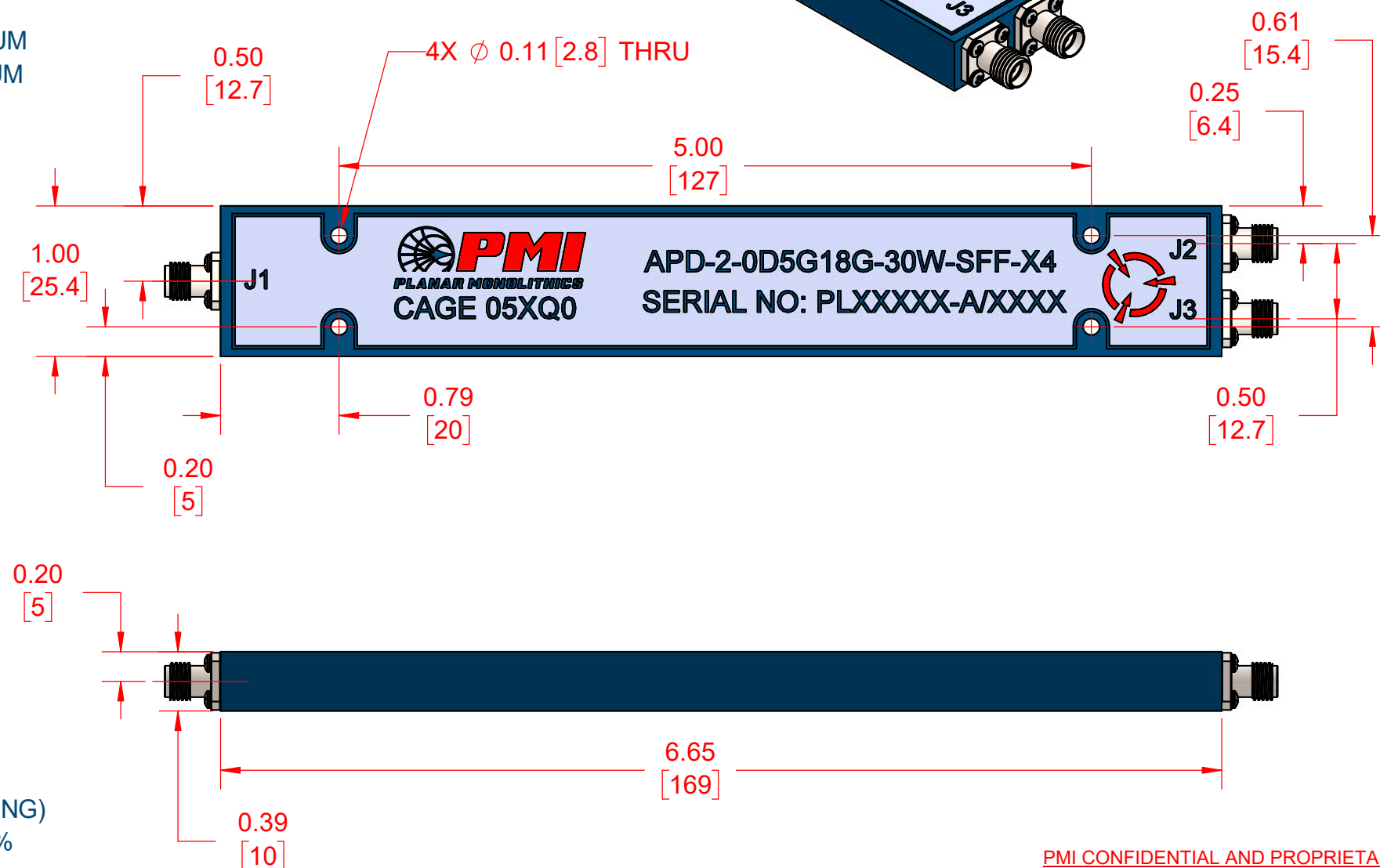
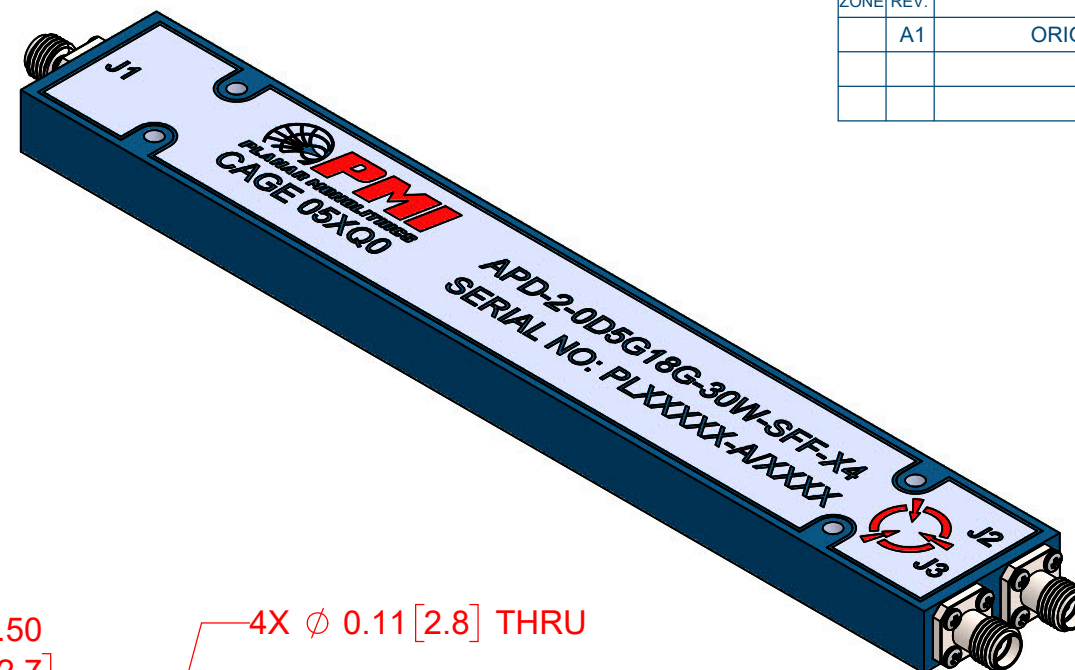
PMI MODEL NUMBER APD-2-0D5G18G-30W-SFF-X4 IS A SET OF 4 MATCHED POWER DIVIDERS DESIGNED TO OPERATE OVER THE 0.5 GHz TO 18 GHz FREQUENCY RANGE.

ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/11/2025	

**SPECIFICATIONS:**

- FREQUENCY RANGE:..... 0.5 GHz TO 18 GHz
- INSERTION LOSS:..... 1.5 dB MAXIMUM (ABOVE 3.01 dB SPLIT)
- VSWR:..... 1.4:1 MAXIMUM ALL PORTS
- ISOLATION:..... 18 dB MINIMUM
- AMPLITUDE BALANCE:..... ±0.3 dB MAXIMUM
- PHASE BALANCE:..... ±3° MAXIMUM
- AMPLITUDE TRACKING<sup>1</sup>:..... ±0.3 dB MAXIMUM
- PHASE TRACKING<sup>1</sup>:..... ±5° MAXIMUM
- POWER HANDLING:..... FORWARD: 30 W MAXIMUM  
REVERSED: 1 W MAXIMUM
- CONNECTORS:..... SMA FEMALE
- FINISH:..... PAINTED BLUE

<sup>1</sup>PHASE AND AMPLITUDE TRACKING: SAME BATCH, ONLY TEST PORT 1, THEN COMPARE WITH THE PORT 1 OF THE REFERENCE POWER DIVIDER (BENCHMARK).



**ENVIRONMENTAL RATINGS:**

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

PMI CONFIDENTIAL AND PROPRIETARY

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		PART NO.		 7309-A GROVE ROAD FREDERICK MARYLAND 21704 USA TEL: (301) 662-2019 FAX: (301) 662-1731 WEB: WWW.QUANTICPMI.COM EMAIL: SALES@QUANTICPMI.COM ISO 9001 CERTIFIED	
FRACTIONS ±	DECIMALS .XX ± 0.010	ANGLES ±	APPROVALS		
MATERIAL:		DRAWN V. PRATAP		TITLE OUTLINE	
FINISH:		REDRAWN		APD-2-0D5G18G-30W-SFF-X4	
NEXT ASSY	USED ON	ISSUED		SIZE B	FSCM NO. 05XQ0
APPLICATION				DWG NO. 27053920	REV. A1
				SCALE 1:1	SHEET 1 OF 1