

## DESCRIPTION

PMI MODEL APD-6-0R9G6G-30W-SFF IS A SIX WAY POWER DIVIDER.

## SPECIFICATIONS

- FREQUENCY RANGE: 0.9 TO 6.0 GHz
- INSERTION LOSS: 1.8 dB MAXIMUM (ABOVE 7.78 dB SPLIT)
- VSWR IN/OUT: 1.5:1/1.4:1 MAXIMUM
- ISOLATION: 18 dB MINIMUM
- AMPLITUDE BALANCE:  $\pm 0.4$  dB MAXIMUM
- PHASE BALANCE:  $\pm 5^\circ$  MAXIMUM
- POWER HANDLING: FORWARD: 30 W MAXIMUM  
REVERSED: 1 W MAXIMUM
- IMPEDANCE: 50  $\Omega$
- CONNECTORS: SMA FEMALE (X7)
- FINISH: PAINTED BLUE
- AMPLITUDE TRACKING:  $\leq \pm 0.4$  dB unit to unit to a "golden unit"
- PHASE TRACKING:  $\leq \pm 15^\circ$  unit to unit to a "golden unit"

## ENVIRONMENTAL RATINGS

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

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

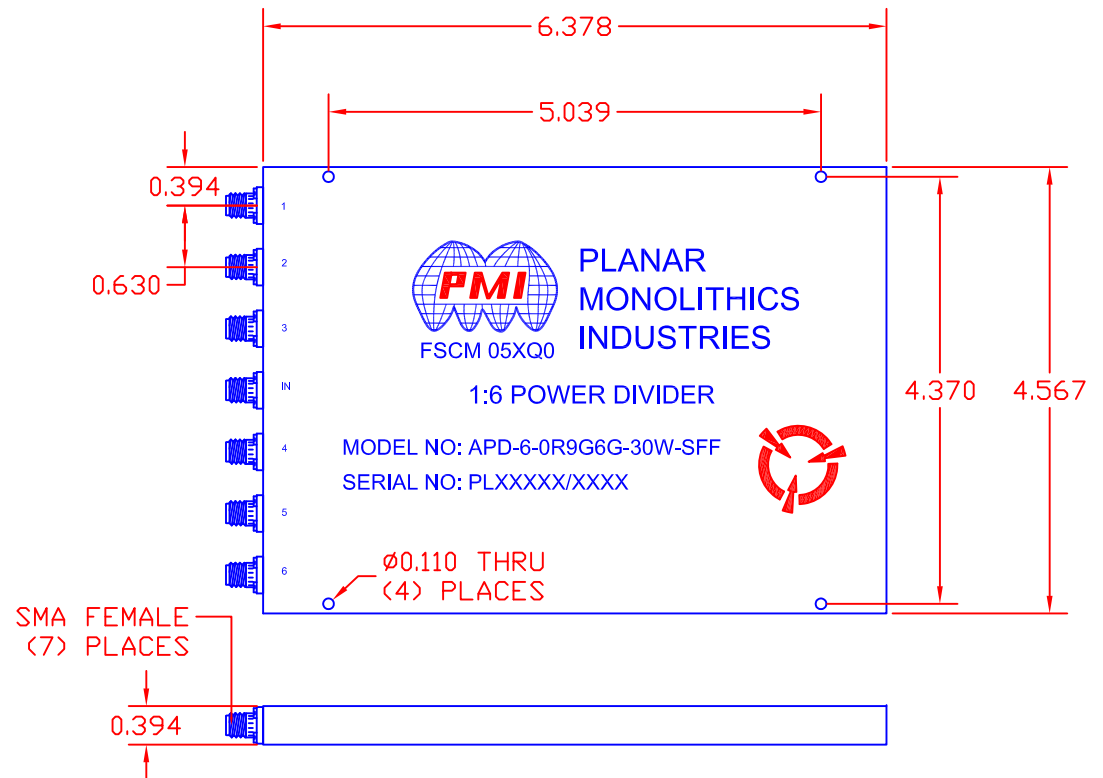
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES  
TOLERANCES:  
X.XX  $\pm 0.020$   
X.XXX  $\pm 0.010$

**PMI CONFIDENTIAL AND PROPRIETARY**

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/27/23	

## MECHANICAL OUTLINE



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APPROVALS		DATE	TITLE		
DRAWN <i>AF</i>		9/27/23	PRODUCT FEATURE APD-6-0R9G6G-30W-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		SHEET 1 OF 1