

DESCRIPTION

PMI MODEL NO. APD-8-910R2-SFF-30W IS A 8-WAY, UNEQUAL POWER DIVIDER THAT OPERATES OVER THE FREQUENCY RANGE OF 9.0 TO 10.2 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 0.7 dB AND A MINIMUM ISOLATION OF 20 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE: 9.0 TO 10.2 GHz
- INSERTION LOSS: 0.7 dB MAX
- VSWR: 1.4:1 MAX
- ISOLATION: 20 dB MIN
- OUTPUT POWER/PORT:
 - J1: -23.5583 ± 0.5 dB
 - J2: -19.6865 ± 0.5 dB
 - J3: -16.4493 ± 0.5 dB
 - J4: -14.9217 ± 0.5 dB
 - J5: -14.9217 ± 0.5 dB
 - J6: -16.4493 ± 0.5 dB
 - J7: -19.6865 ± 0.5 dB
 - J8: -23.5583 ± 0.5 dB
- PHASE BALANCE: $\pm 3^\circ$ MAX
- POWER HANDLING: 30 WATTS AVERAGE
- CONNECTORS: SMA FEMALE
- FINISH: PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: -40°C TO $+85^\circ\text{C}$ (OPERATING)
 -55°C TO $+125^\circ\text{C}$ (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 105C COND. B
- TEMPERATURE CYCLE: MIL-STD-202, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

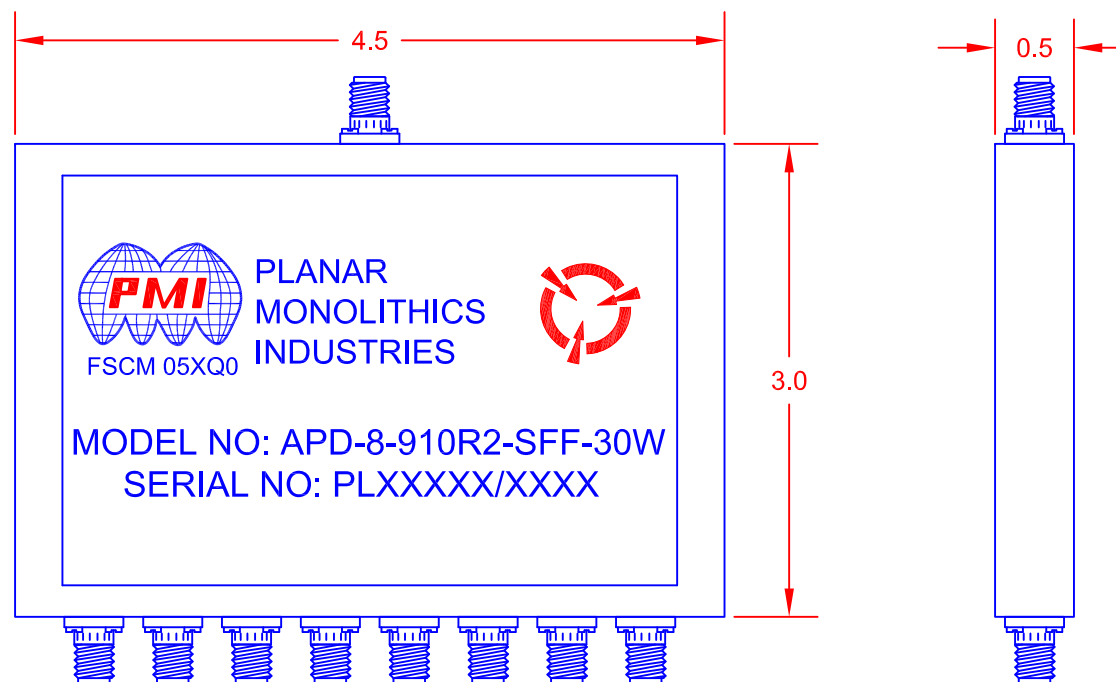
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

ALL DIMENSIONS
ARE IN INCHES [mm]
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/31/2019	
	1	UPDATED DESCRIPTION	8/1/2019	
	2	UPDATED SPECS	8/6/2019	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD

FREDERICK, MARYLAND 21704 USA

TEL: (301)-662-5019, FAX: (301)-662-1731

WEB: www.pmi-rf.com, EMAIL: sales@pmi-rf.com

ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE APD-8-910R2-SFF-30W				
APPROVALS	DATE					
DRAWN <i>EW</i>	<i>7/31/19</i>					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 2	
ISSUED		SCALE N:S		SHEET 1 OF 1		