

## DESCRIPTION

PMI MODEL NO. APD-2-1218-SFF-20W IS A 2-WAY POWER DIVIDER THAT OPERATES OVER THE 12.0 TO 18.0 GHZ FREQUENCY RANGE. IT HAS A MAXIMUM INSERTION LOSS OF 0.6 dB (ABOVE 3.01 dB SPLIT) AND A MINIMUM ISOLATION OF 20 dB. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

## SPECIFICATIONS

- FREQUENCY RANGE: ----- 12.0 TO 18.0 GHz
- INSERTION LOSS: ----- 0.6 dB MAX (ABOVE 3.01 dB SPLIT)
- VSWR INPUT/OUTPUT: ----- 1.35:1 MAX
- ISOLATION: ----- 20 dB MIN
- AMPLITUDE BALANCE: ----- ±0.3 dB MAX
- PHASE BALANCE: ----- ±3° MAX
- POWER HANDLING: ----- FORWARD: 20 WATTS MAX  
REVERSED: 1 WATT MAX
- IMPEDANCE: ----- 50 OHMS
- CONNECTORS: ----- SMA FEMALE
- FINISH: ----- PAINTED BLUE

## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)  
-65 °C TO +125 °C (STORAGE)
- HUMIDITY: ----- UP TO 95%, NON-CONDENSING (OPERATING)
- 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

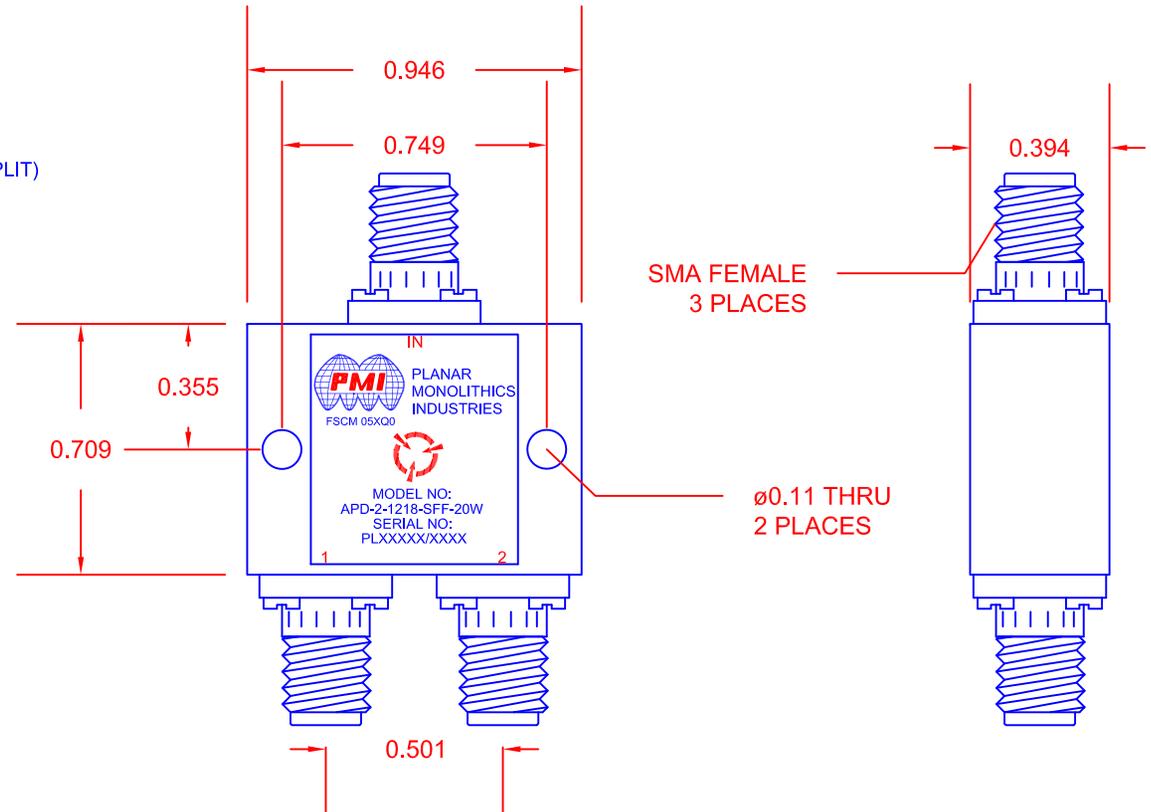
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**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	5/9/2019	

## 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](http://www.pmi-rf.com), EMAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)

ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN <i>EW</i>		5/9/19	PRODUCT FEATURE APD-2-1218-SFF-20W			-
REDRAWN			SIZE	FSCM NO.	DWG NO.	
ISSUED			A	05XQ0	PRELIMINARY	
			SCALE	N:S	SHEET	1 OF 1