

## DESCRIPTION

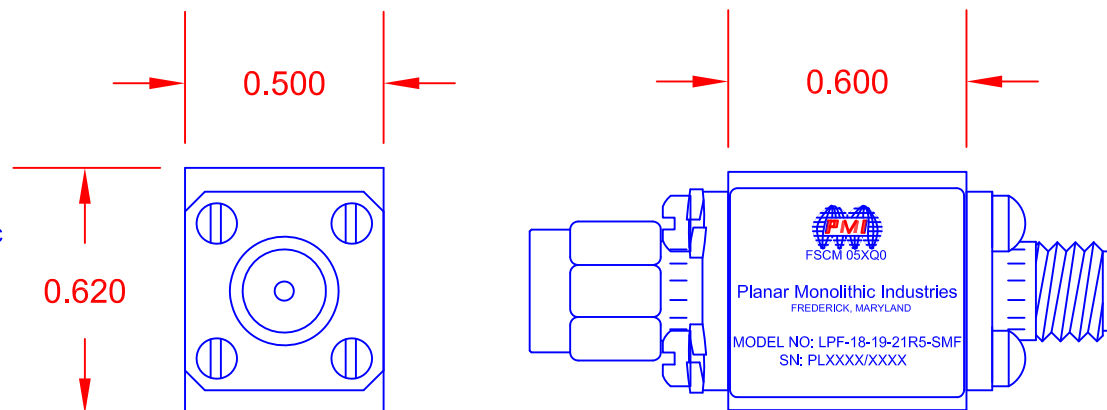
PMI MODEL NO. LPF-18-19-21R5-SMF IS A LOW PASS FILTER WITH A CUT OFF FREQUENCY OF 18.0 GHz. IT HAS AN AVERAGE POWER HANDLING OF 1 WATT MINIMUM AND A MAXIMUM VSWR OF 1.7. THIS MODEL IS OUTFITTED WITH A SMA MALE CONNECTOR ON THE INPUT AND A SMA FEMALE CONNECTOR ON THE OUTPUT.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/16/2019	

## MECHANICAL OUTLINE

## SPECIFICATIONS

- CUT-OFF FREQUENCY: ----- 18.0 GHz
- REJECTION: ----- 3 dB MIN @  $19 \pm 0.3$  GHz  
30 dB MIN @  $21.5 \pm 0.3$  GHz
- AVERAGE POWER HANDLING: ----- 1 WATT MIN
- PEAK POWER HANDLING: ----- 10 WATTS MIN
- VSWR: ----- 1.7 MAX
- OPERATING CONDITION: ----- NATURAL CONVECTION @ 30°C
- CONNECTORS IN/OUT: ----- SMA MALE/SMA FEMALE
- FINISH: ----- PAINTED BLUE



## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)  
-65 °C TO +125 °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

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

**PMI CONFIDENTIAL AND PROPRIETARY**

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ISO 9001 CERTIFIED



		TITLE  PRODUCT FEATURE LPF-18-19-21R5-SMF				
APPROVALS	DATE					
DRAWN <i>EW</i>	<i>7/16/19</i>					
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV -	
ISSUED		SCALE N:S		SHEET 1 OF 1		