

DESCRIPTION

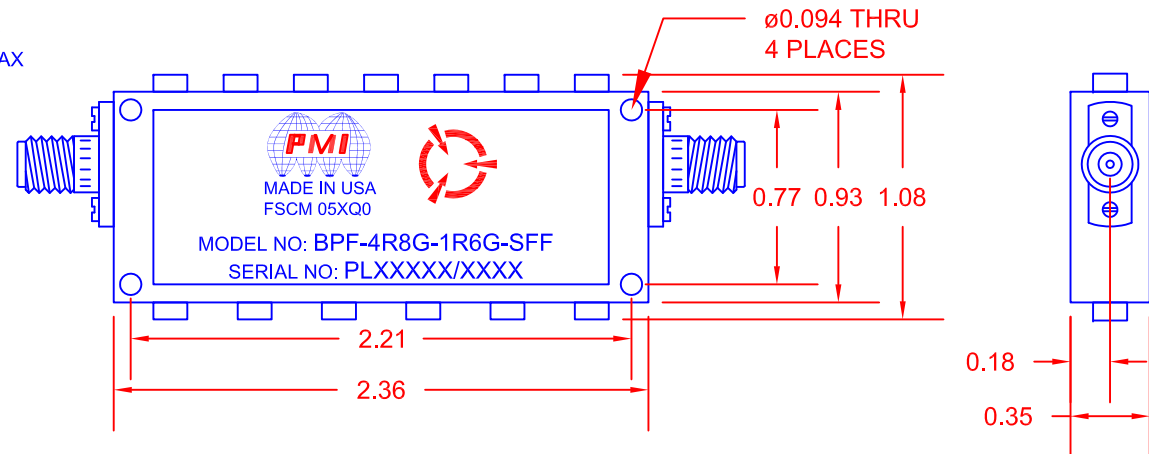
PMI MODEL NO. BPF-4R8G-1R6G-SFF IS A BAND PASS FILTER WITH A CENTER FREQUENCY OF 4.8 GHz. IT HAS A TYPICAL INSERTION LOSS OF 1.0 dB AND A TYPICAL VSWR OF 1.5:1. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	12/19/2018	

MECHANICAL OUTLINE

SPECIFICATIONS

- FREQUENCY RANGE (-1 dB BANDWIDTH): --- 4.0 TO 5.6 GHz
- INSERTION LOSS: ----- 1.0 dB TYP, 1.5 dB MAX
- PASS BAND RIPPLE: ----- ±0.3 dB TYP, ±0.5 dB MAX
- VSWR: ----- 1.5:1 TYP, 1.7:1 MAX
- REJECTION @ DC TO 3.5 GHz: ----- 30 dB MIN
- REJECTION @ 6.1 TO 10.0 GHz: ----- 30 dB MIN
- REJECTION @ 10.0 TO 12.0 GHz: ----- 30 dB TYP
- INPUT POWER: ----- 1 WATT MAX
- IMPEDANCE: ----- 50 OHMS
- CONNECTORS: ----- SMA FEMALE



ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -45 °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 ±0.020
X,XXX ±0.010

PMI CONFIDENTIAL AND PROPRIETARY

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



APPROVALS		DATE	TITLE			
DRAWN <i>EW</i>		12/19/18	PRODUCT FEATURE BPF-4R8G-1R6G-SFF			
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N:S	SHEET 1 OF 1		