

DESCRIPTION

PMI MODEL NO. BPF-1R75-2R5-TNCFF IS A BAND PASS FILTER THAT OPERATES OVER THE FREQUENCY RANGE OF 0.5 TO 3.0 GHz. IT HAS A MAXIMUM INSERTION LOSS OF 1.2 dB AND A MAXIMUM VSWR OF 1.5:1. THIS MODEL IS OUTFITTED WITH TNC FEMALE CONNECTORS.

SPECIFICATIONS

- FREQUENCY RANGE (-1 dB BANDWIDTH): — 0.5 TO 3.0 GHz
- INSERTION LOSS: ————— 1.2 dB MAX
- PASS BAND RIPPLE: ————— ± 0.5 dB MAX
- VSWR: ————— 1.5:1 MAX
- REJECTION @ 400 MHz: ————— 60 dBc MIN
- INPUT POWER: ————— 5 WATTS MAX
- IMPEDANCE: ————— 50 OHMS
- CONNECTORS: ————— TNC FEMALE
- FINISH: ————— PAINTED BLUE

ENVIRONMENTAL RATINGS

- TEMPERATURE: ————— -40 °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

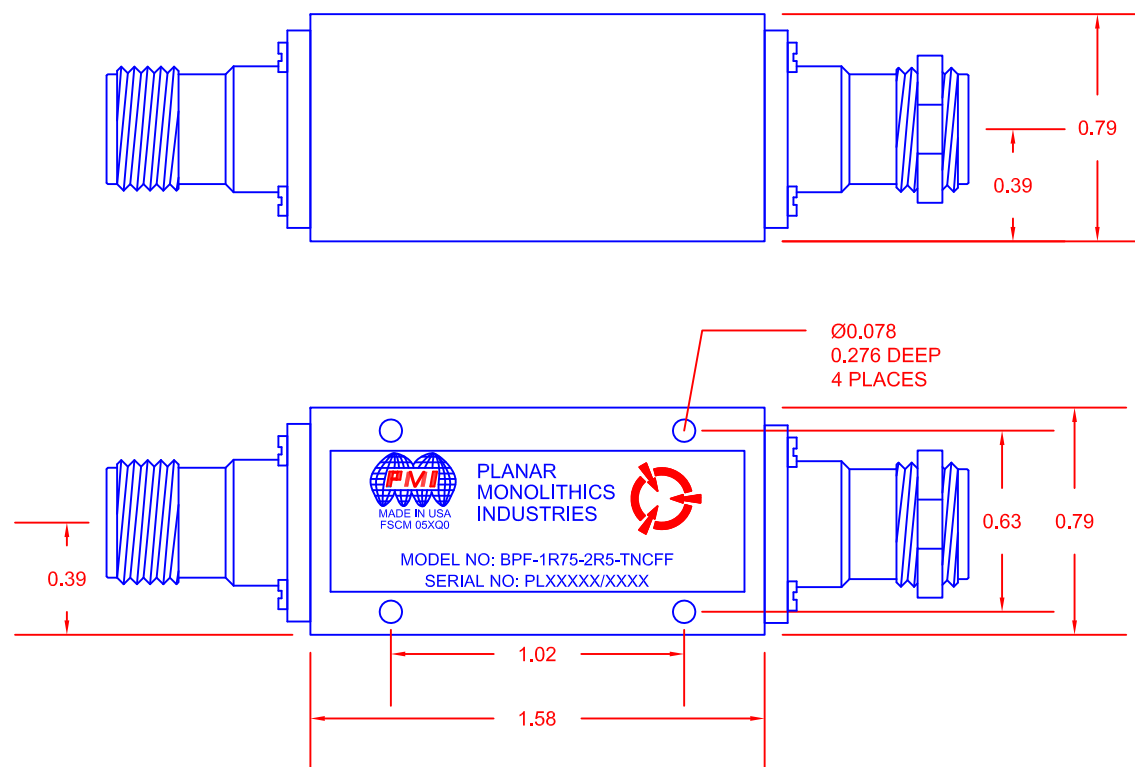
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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	4/10/2019	
	1	UPDATED MECHANICALS	4/16/2019	

MECHANICAL OUTLINE



PLANAR MONOLITHICS INDUSTRIES, INC.

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ISO 9001 CERTIFIED



		TITLE PRODUCT FEATURE BPF-1R75-2R5-TNCFF					
APPROVALS	DATE						
DRAWN <i>EW</i>	<i>4/10/19</i>						
REDRAWN		SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. 1		
ISSUED		SCALE N:S			SHEET 1	OF 1	