

DESCRIPTION

PMI MODEL BPF-10G475R10G745R-270M-SFF IS A BAND PASS FILTER WITH A CENTER FREQUENCY OF 10.61 GHz. IT HAS A MAX INSERTION LOSS OF 2.0 dB AND A MAXIMUM VSWR OF 1.5:1. THIS MODEL IS OUTFITTED WITH SMA FEMALE CONNECTORS.

SPECIFICATIONS

- PASSBAND FREQUENCY: ----- 10.475 TO 10.745 GHz
- BANDWIDTH: ----- 270 MHz TYPICAL
- INSERTION LOSS: ----- 2.0 dB MAXIMUM (CENTER FREQUENCY)
- VSWR: ----- 1.5:1 MAXIMUM
- CENTER FREQUENCY: ----- 10.61 GHz
- REJECTION @ 10.275 GHz AND 10.945 GHz: 70 dB MINIMUM
- PASSBAND RIPPLE: ----- 1.5 dB TYPICAL
- IMPEDANCE: ----- 50 OHMS
- INPUT/OUTPUT CONNECTOR: ----- SMA FEMALE

ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -20 °C TO +50 °C (OPERATING)
-40 °C TO +70 °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

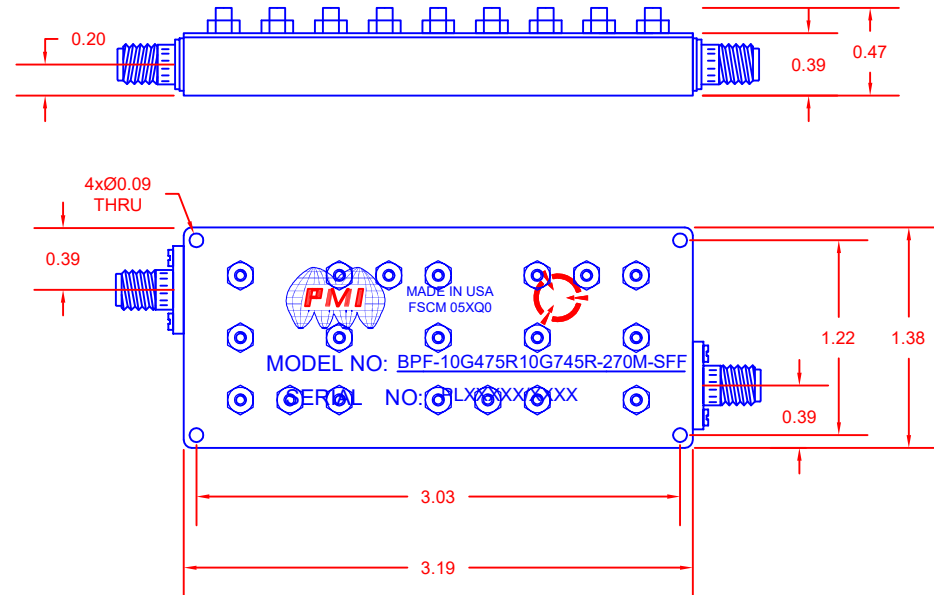
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	6/29/2023	
	1	UPDATED REJECTION	7/15/2023	

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



APPROVALS		DATE	TITLE			
DRAWN <i>AG</i>		6/29/23	PRODUCT FEATURE BPF-10G475R10G745R-270M-SFF			
REDRAWN			SIZE	FSCM NO.	DWG NO.	REV
ISSUED			A	05XQ0	PRELIMINARY	1
			SCALE	N:S	SHEET	1 OF 1