

DESCRIPTION

PMI MODEL BPF-10G235R10G475R-240M-SFF IS A BAND PASS FILTER WITH A CENTER FREQUENCY OF 10.355 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: ----- 10.235 TO 10.475 GHz
- BANDWIDTH: ----- 240 MHz TYPICAL
- INSERTION LOSS: ----- 2.0 dB MAXIMUM (CENTER FREQUENCY)
- VSWR: ----- 1.5:1 MAXIMUM
- CENTER FREQUENCY: ----- 10.355 GHz
- REJECTION @ 10.035 GHz AND 10.675 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

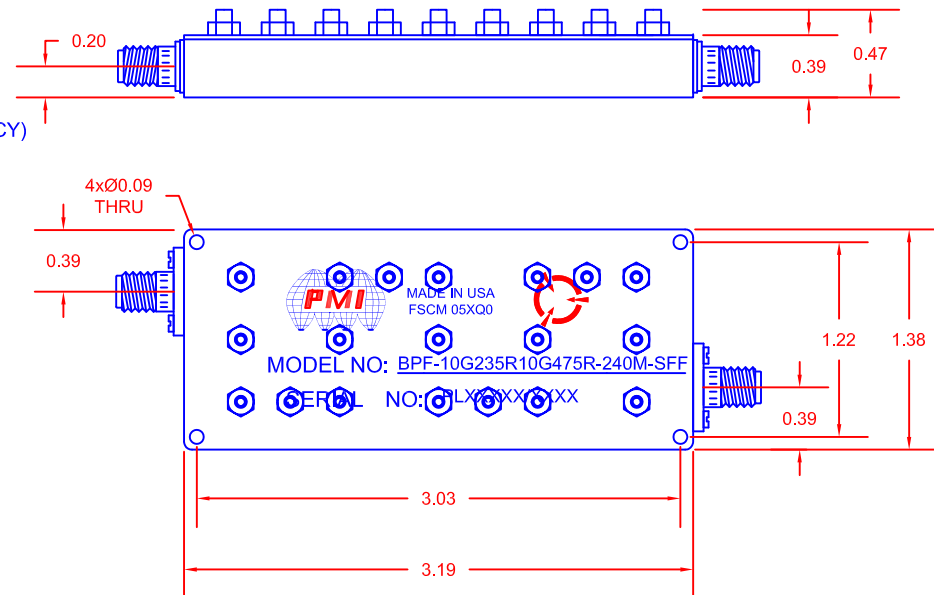
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PMI CONFIDENTIAL AND PROPRIETARY

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	6/29/2023	

MECHANICAL OUTLINE



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

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APPROVALS		DATE	TITLE			
DRAWN <i>AF</i>		6/29/23	PRODUCT FEATURE BPF-10G235R10G475R-240M-SFF			
REDRAWN			SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	PRELIMINARY	-
			SCALE	N:S	SHEET	1 OF 1