

## DESCRIPTION

PMI MODEL BPF-9G655R9G995R-340M-SFF IS A BAND PASS FILTER WITH A CENTER FREQUENCY OF 9.825 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: ----- 9.655 TO 9.995 GHz
- BANDWIDTH: ----- 340 MHz TYPICAL
- INSERTION LOSS: ----- 2.0 dB MAXIMUM (CENTER FREQUENCY)
- VSWR: ----- 1.5:1 MAXIMUM
- CENTER FREQUENCY: ----- 9.825 GHz
- REJECTION @ 9.455 GHz AND 10.195 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

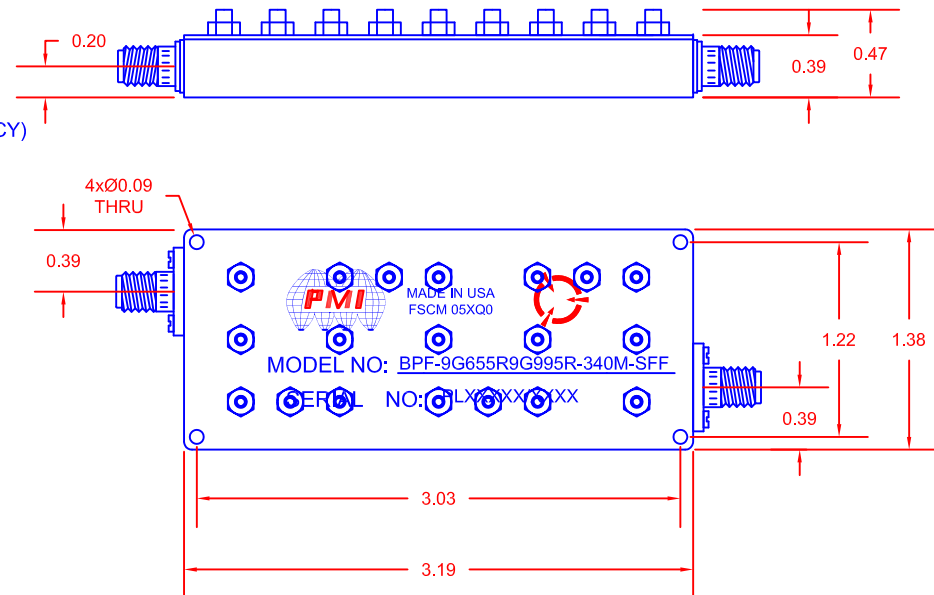
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

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

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

## 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](http://www.pmi-rf.com), EMAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN <i>AF</i>		6/29/23	PRODUCT FEATURE BPF-9G655R9G995R-340M-SFF			-
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	
ISSUED			SCALE N:S	SHEET 1 OF 1		