

## DESCRIPTION

PMI MODEL: BPF-3G500M-500-PIN IS A BANDPASS CAVITY FILTER WITH PIN CONNECTORS. ALL FILTERS WILL BE MACHINED AND SILVER PLATED TO PROVIDE THE HIGHEST POSSIBLE Q.

## SPECIFICATIONS

- PASSBAND FREQUENCY: ----- 3.25 to 3.75 GHz
- CENTER FREQUENCY: ----- 3.5 GHz NOMINAL
- BANDWIDTH: ----- 500 MHz TYPICAL
- VSWR: ----- 1.5:1 MAXIMUM
- INSERTION LOSS: ----- 2 dB MAXIMUM
- REJECTION @ 3.0 GHz: ----- 40 dB MINIMUM
- REJECTION @ 4.0 GHz: ----- 40 dB MINIMUM
- INPUT POWER: ----- 1 W
- CONNECTORS: ----- PIN
- SURFACE FINISH: ----- SILVER PLATED

## ENVIRONMENTAL RATINGS

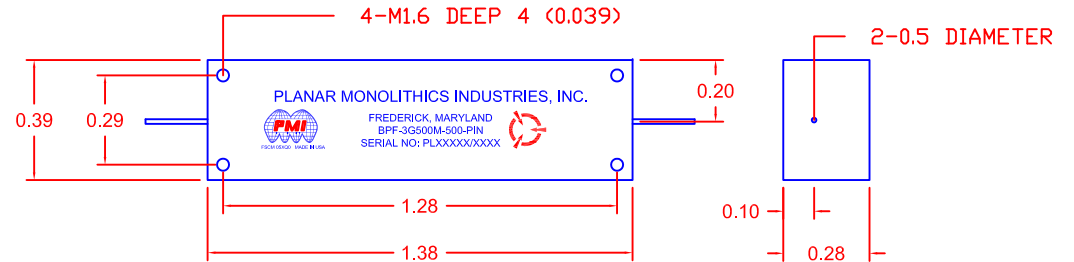
- TEMPERATURE: ----- -40 °C TO +70 °C (OPERATING)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- MIL-STD-202, METHOD 204D COND. B
- ALTITUDE: ----- MIL-STD-202, METHOD 105C COND. B
- SALT FOG: ----- MIL-STD-202, METHOD 107D COND. B
- FUNGUS: ----- MIL-STD-810, METHOD 508.2
- 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  
TOLERANCES:  
X.XX ±0.020  
X.XXX ±0.010

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/8/22	

## MECHANICAL OUTLINE



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>AF</i>		7/8/22	PRODUCT FEATURE BPF-3G500M-500-PIN		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		REV. -
				SHEET	1 OF 1