

DESCRIPTION:

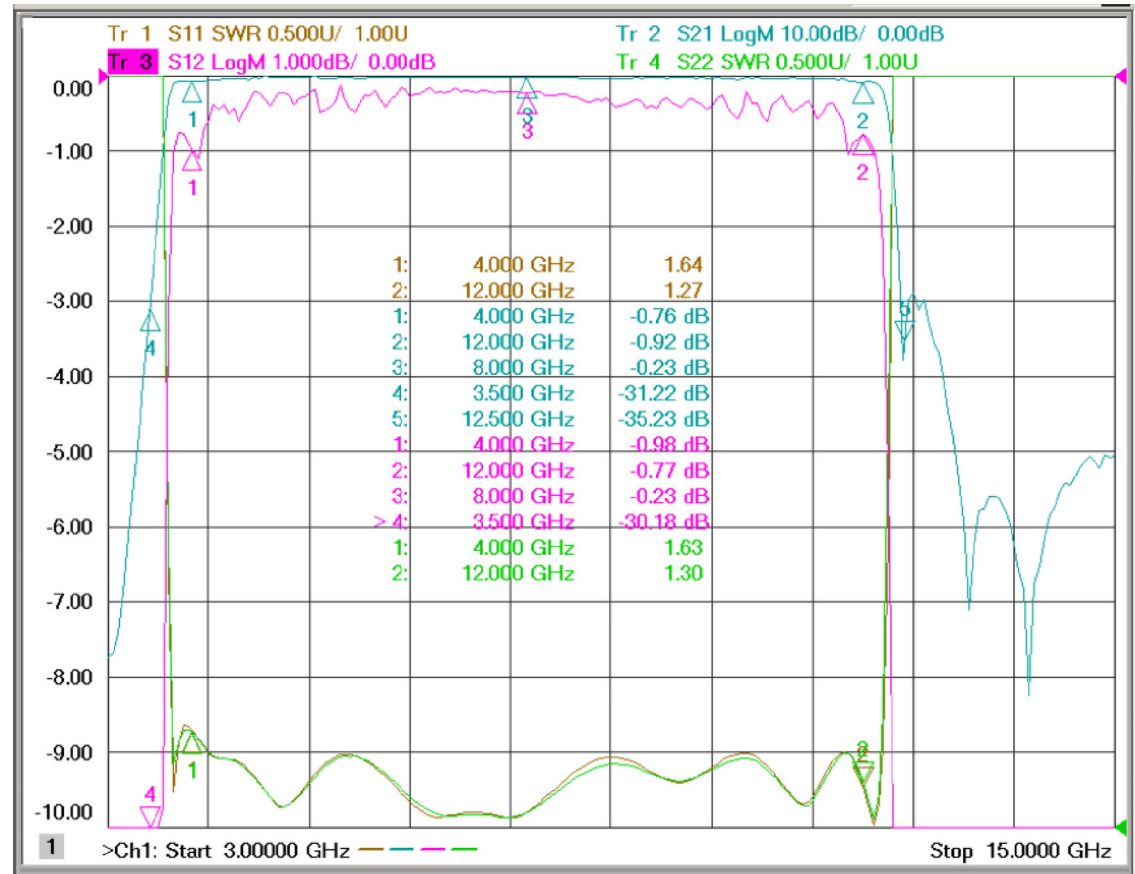
PMI model number BP-412-CD-SFF Bandpass Filter with SMA Female/Male connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/22/20	

SPECIFICATIONS:

- CENTER FREQUENCY: 8 GHz
- 0.5dB BANDWIDTH: 8 GHz
- PASSBAND RIPPLE: +/-0.5 dB MAX.
- VSWR IN THE PASS BAND: 1.8:1 MAX.
- INSERTION LOSS (PASSBAND) 1.5 dB MAX.
- INPUT POWER (PASSBAND) 10 W MAX.
- 30dBc REJECTION : DC to 2.0 GHz MIN.
14.0 to 20 GHz MIN.
- CONNECTORS: SMA Female
- SIZE 1.58" (L) x 0.79" (W) x 0.39" (H)
- WEIGHT 1 OZ. TYP.
- FINISH PAINTED BLUE

ACTUAL PERFORMANCE:



ENVIRONMENTAL RATINGS:

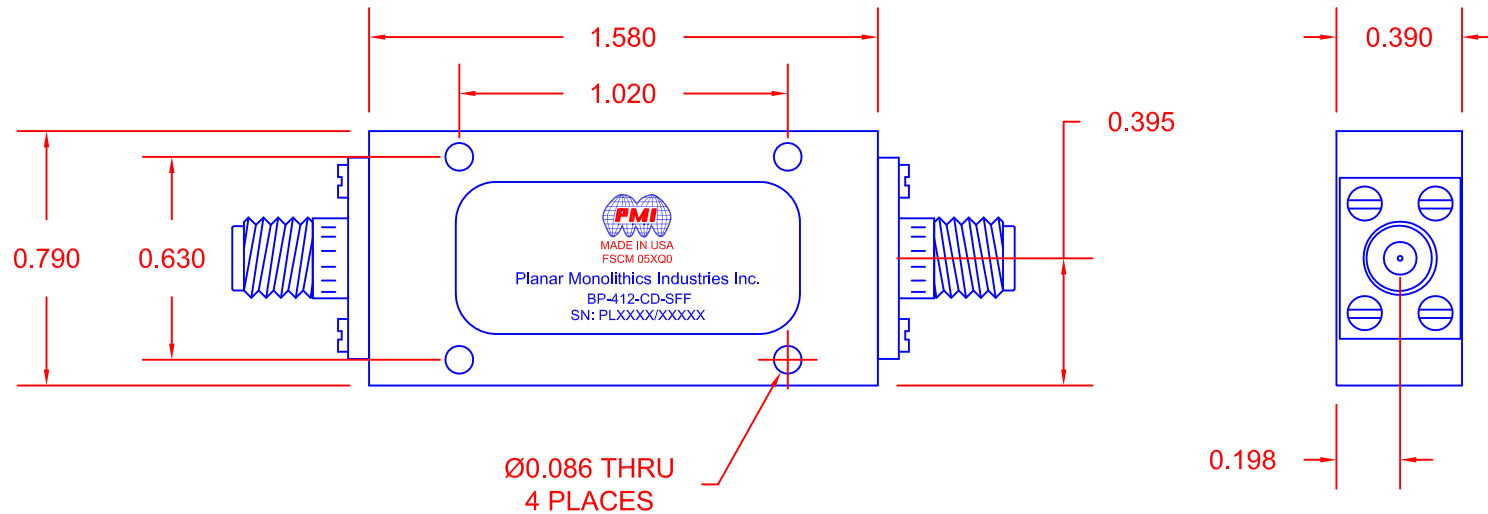
- TEMPERATURE: -45°C TO +85°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: MIL-STD-202F, METHOD 105C COND. B
- SALT FOG: MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PART NO.		PLANAR MONOLITHICS INDUSTRIES	
APPROVALS	DATE	TITLE	
DRAWN SPH	9/22/20	OUTLINE DRAWING BP-412-CD-SFF	
CHECKED		SIZE	FSCM NO.
ISSUED		A	05XQ0
		DWG NO.	PRELIMINARY
		SCALE	N/A
		SHEET	1 OF 2


MECHANICAL DIMENSIONS:



Ø0.086 THRU
4 PLACES

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX ±0.010
X.XXX ±0.005

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

PART NO.		 PLANAR MONOLITHICS INDUSTRIES		
APPROVALS	DATE	TITLE		
DRAWN SPH	9/22/20	OUTLINE DRAWING BP-412-CD-SFF		
CHECKED		SIZE	FSCM NO.	DWG NO.
ISSUED		A	05XQ0	PRELIMINARY
		SCALE	N/A	SHEET 2 OF 2
		REV.	-	