

## DESCRIPTION

PMI MODEL: 5CL7G-42-CD-SFF IS A COMBLINE FILTER WITH SMA FEMALE CONNECTORS IN AND OUT. ALL FILTERS WILL BE MACHINED AND SILVER PLATED TO PROVIDE THE HIGHEST POSSIBLE Q.

## SPECIFICATIONS

- CENTER FREQUENCY: ----- 7 GHz
- 3dB BANDWIDTH: ----- 42 MHz
- VSWR IN THE PASS BAND: ----- 1.5:1 MAXIMUM
- INSERTION LOSS (PASSBAND): ----- <= 3 dB MAXIMUM
- REJECTION @ 7.1 GHz: ----- -40 dB
- REJECTION @ 7.2 GHz: ----- -60 dB
- REJECTION 7.2 TO 16 GHz: ----- -60 dB
- CONNECTORS: ----- SMA FEMALE CONNECTORS
- SIZE: ----- 2.90" (L) x 0.60" (H) x 0.75" (W)
- WEIGHT: ----- 1.5 OZ. TYP.
- FINISH: ----- PAINTED BLUE.

## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °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

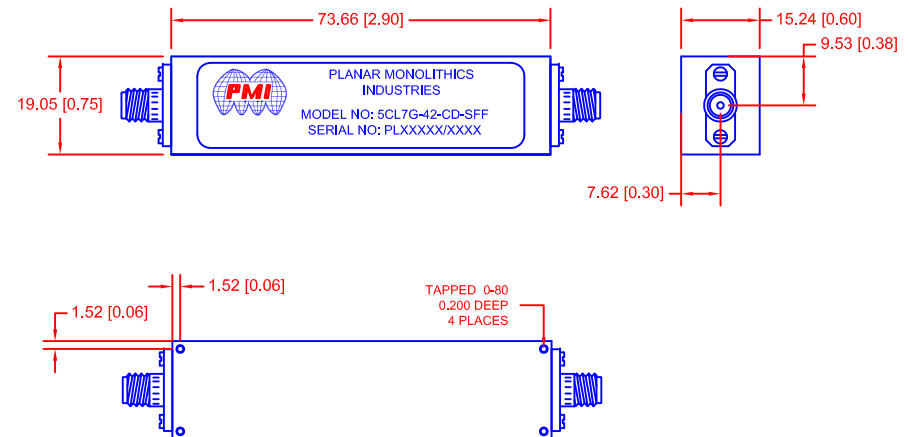
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

**PMI CONFIDENTIAL AND PROPRIETARY**

ALL DIMENSIONS  
ARE IN mm [INCH]  
TOLERANCES:  
X.XX ± 0.508 [0.020]  
X.XXX ± 0.254 [0.010]

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/19/20	
	B1	ECN # 21-0108	07/02/21	

## 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>S. PALAJO</i>		12/20/00	PRODUCT FEATURE COMBLINE FILTER 5CL7G-42-CD-SFF		
REDRAWN			SIZE A	FSCM NO. 05XQ0	DWG NO. 27040720
ISSUED			SCALE N:S	SHEET 1 OF 1	REV. B1