

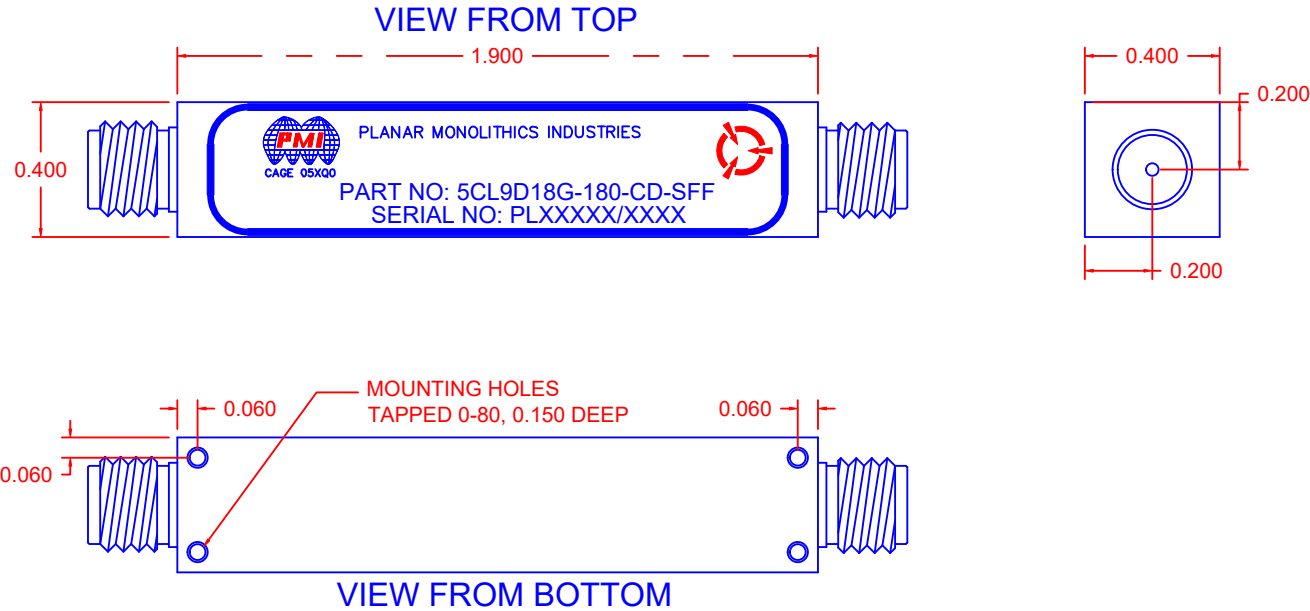
**DESCRIPTION:**

PMI model number 5CL9D18G-180-CD-SFF is a Comblaine filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

ZONE		REV.	DESCRIPTION	DATE	APPROVED
	A1		ORIGINAL RELEASE	11/14/08	
	A3		ECN # 24-0184	7/08/24	

**SPECIFICATIONS:**

- CENTER FREQUENCY: . . . . . 9180 MHz Nom.
- 3dB BANDWIDTH: . . . . . 180 MHz Min.
- VSWR IN THE PASS BAND: . . . . . 1.5:1 MAX.
- INSERTION LOSS (PASSBAND) . . . . . 4 dB MAX.
- LOSS RIPPLE (PEAK TO PEAK) . . . . . 0.5 dB MAX.
- PHASE LINEARITY . . . . . ±6° MAX.
- REJECTION -70 dB: . . . . . DC - 7000 MHz
- REJECTION -60 dB: . . . . . 7800 MHz
- REJECTION -60 dB: . . . . . 10560 - 11940 MHz
- REJECTION -50 dB: . . . . . 12000 - 15000 MHz
- CONNECTORS: . . . . . SMA FEMALE CONNECTORS
- SIZE . . . . . 1.90" (L) x 0.40" (W) x 0.40" (H)
- WEIGHT . . . . . 1 OZ. TYP.
- FINISH . . . . . GRAY EPOXY POLIMIDE COATING  
IAW MIL-C-22750, TYPE I OVER EPOXY  
POLIMIDE PRIMER IAW MIL-P-23377,  
TYPE I, CLASS 1 OR 3.



**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: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

**PMI CONFIDENTIAL AND PROPRIETARY**

**PLANAR MONOLITHICS INDUSTRIES, INC.**

7311-F GROVE ROAD  
 FREDERICK, MARYLAND 21704 USA  
 TEL: 301-662-5019 FAX: 301-662-1731  
 WEBSITE: [www.pmi-rf.com](http://www.pmi-rf.com)  
 E-MAIL: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)  
 ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN S. PALACIO		11/14/08	PRODUCT FEATURE 5CL9D18G-180-CD-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. 27009843
ISSUED					REV. A3
SCALE N: S			SHEET 1 OF 1		