

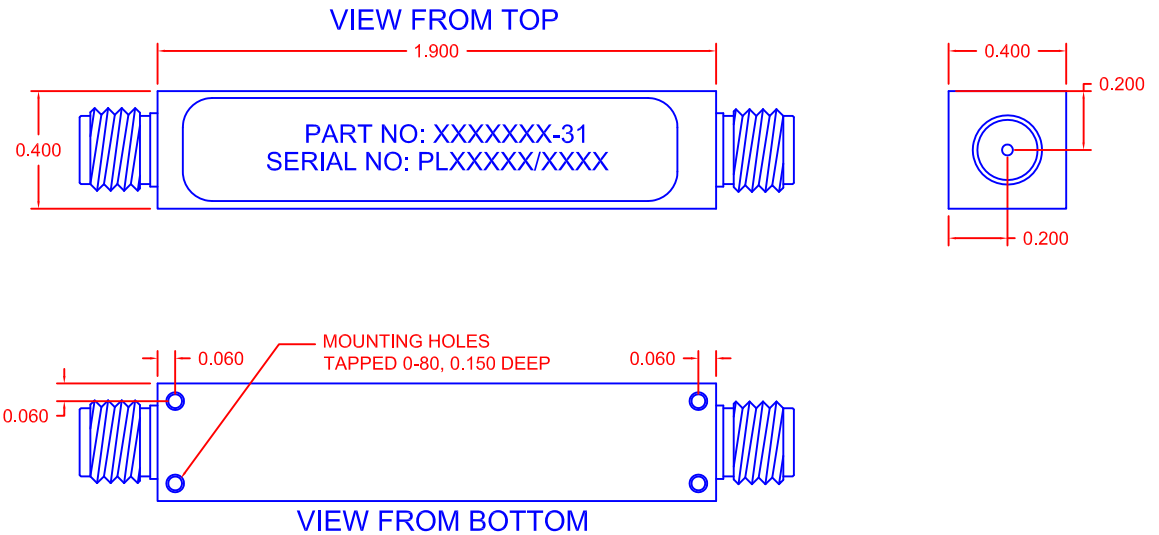
DESCRIPTION:

PMI model number 5CL12D9G-180-CD-SFF is a Comblin filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	11/14/08	
	A2	ECN # 14-0116	7/22/14	

SPECIFICATIONS:

- CENTER FREQUENCY: 12900 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 ±5° MAX.
- REJECTION -65 dB: DC - 8000 MHz
- REJECTION -60 dB: 8760 - 11520 MHz
- REJECTION -55 dB: 14200 - 17000 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.



PMI CONFIDENTIAL AND PROPRIETARY

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

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 ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>S. PALAJO</i>		11/14/08	PRODUCT FEATURE 5CL12D9G-180-CD-SFF			
CHECKED			SIZE	FSCM NO.	DWG NO.	REV.
			A	05XQ0	27009741	A2
ISSUED			SCALE N: S		SHEET 1 OF 1	