

DESCRIPTION

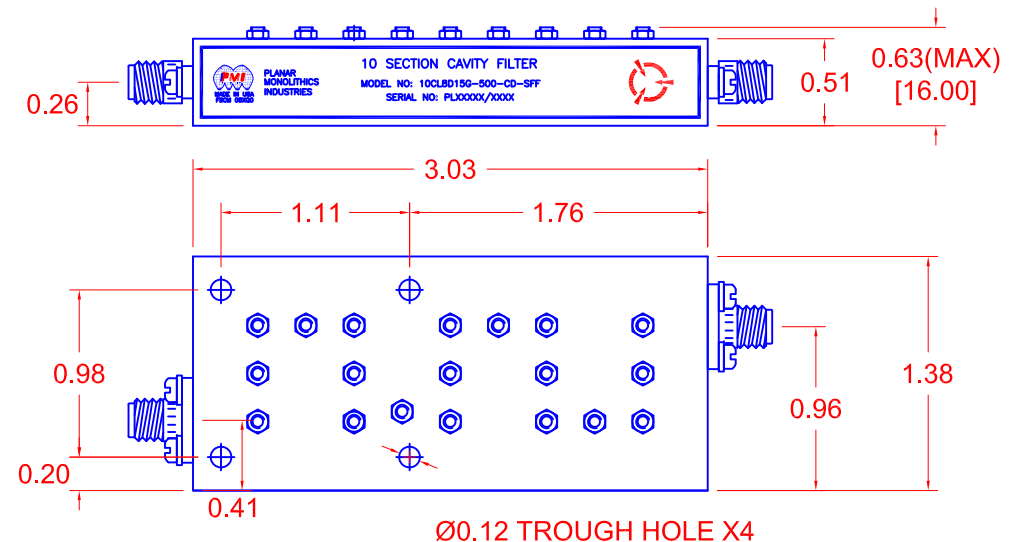
PMI MODEL: 10CL8D15G-500-CD-SFF IS A 10 SECTION CAVITY FILTER WITH SILVER PLATED ALUMINUM TO INCREASE Q AND IMPROVED PERFORMANCE.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	01/08/17	

MECHANICAL OUTLINE

SPECIFICATIONS

- * Center Frequency:----- 8.15GHz
- * Bandwidth: ----- $\pm 250\text{MHz}$ (7.9~8.4GHz)
- * Insertion Loss: ----- $\leq 0.7\text{dB}$ @ 8.15GHz
 $\leq 1.4\text{dB}$ @ 7.9~8.4GHz
- * Return Loss: ----- $\geq 20\text{dB}$
- * Stop Band Rejection: ----- $\geq 46\text{dB}$ @ 7.75GHz
- * Impedance: ----- 50 ohms
- * Power Handling: ----- $\leq 10\text{W}$
- * Connectors: ----- SMA-Female
- * Surface Finish: ----- BLUE 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: ----- -20 °C TO +60 °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
- * 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 [mm]
TOLERANCES:
X.XX ± 0.020
X.XXX ± 0.010

PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			REV.
DRAWN		SPU	PRODUCT FEATURE			A1
CHECKED			10CL8D15G-500-CD-SFF			
ISSUED			SIZE	FSCM NO.	DWG NO.	
			A	05XQ0	27031661	
			SCALE	N:S	SHEET	1 OF 1