

DESCRIPTION:

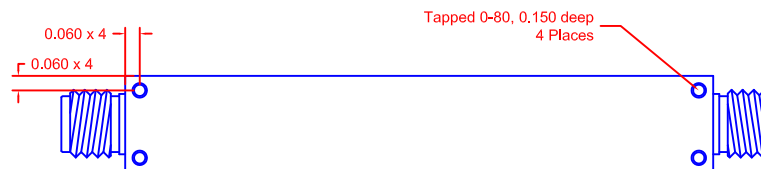
PMI model number 8C10D1G-300-CD-SFF is a Cavity filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	7/1/22	

MECHANICAL OUTLINE

SPECIFICATIONS:

- CENTER FREQUENCY: 10100 MHz
- 3dB BANDWIDTH: 300 MHz
- VSWR IN THE PASS BAND: 1.5:1 MAX.
- INSERTION LOSS (PASSBAND) <= 3dB MAX.
- REJECTION +/-600 MHz FROM FO 80 dB



- CONNECTORS: SMA FEMALE CONNECTORS
- SIZE: 2.44" (L) x 0.40" (W) x 0.40" (H)
- WEIGHT: 1 OZ. TYP.

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
- TEMPERATURE CYCLE: MIL-STD-202F, 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
TOLERANCES:
X.XX ±0.020
X.XXX ±0.010

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APPROVALS		DATE	TITLE		
DRAWN	<i>AF</i>	7/1/22	PRODUCT FEATURE 8C10D1G-300-CD-SFF		
CHECKED			SIZE	FSCM NO.	DWG NO.
ISSUED			A	05XQ0	
			SCALE	N: S	SHEET 1 OF 1