

## DESCRIPTION

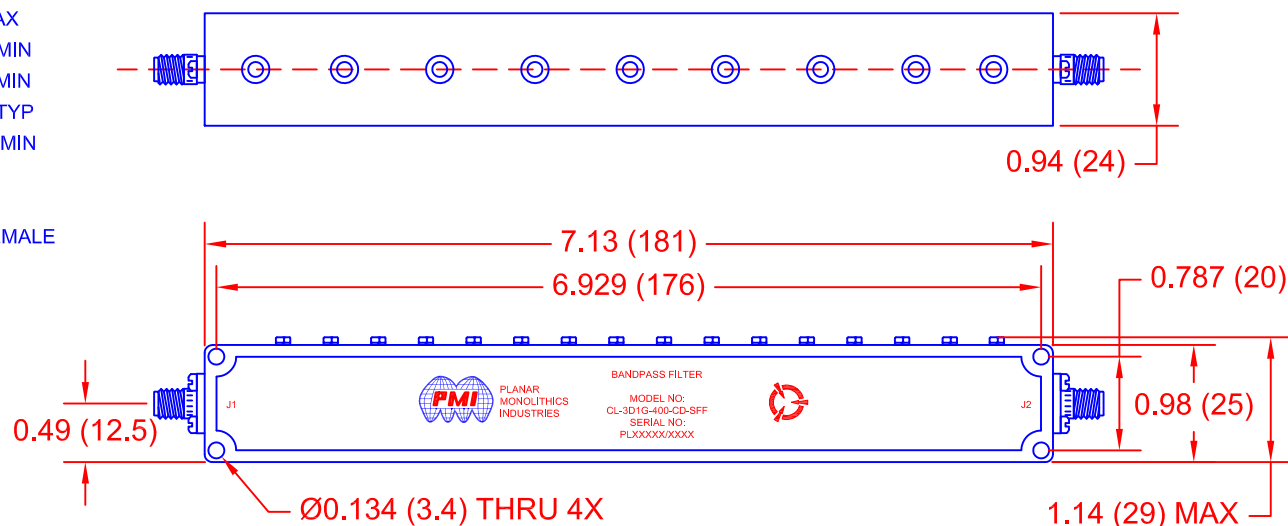
PMI MODEL: CL-3D1G-400-CD-SFF IS A BANDPASS FILTER CENTERED AT 3100 MHz WITH A NOMINAL BANDWIDTH OF 400 MHz. THE FILTER IS MACHINED, SILVER PLATED, AND OUTFITTED WITH SMA FEMALE CONNECTORS TO PROVIDE THE HIGHEST POSSIBLE Q.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	09/14/15	JSP

## MECHANICAL OUTLINE

## SPECIFICATIONS

- CENTER FREQUENCY: ----- 3100 MHz
- 0.5 dB BANDWIDTH: ----- 400 MHz MIN (2900 TO 3300 MHz)
- INSERTION LOSS: ----- 0.5 dB MAX
- VSWR: ----- 1.5:1 MAX
- REJECTION @ DC TO 2700 MHz: ----- 45 dBc MIN
- REJECTION @ 3700 TO 6000 MHz: ----- 50 dBc MIN
- REJECTION @ 6000 TO 12000 MHz: ----- 45 dBc TYP
- POWER HANDLING: ----- 1200 W MIN
- DUTY CYCLE: ----- 10%
- PRF: ----- 6 ~ 7K
- CONNECTORS: ----- SMA FEMALE



## 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

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

**PMI CONFIDENTIAL AND PROPRIETARY**

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

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		09/14/15	PRODUCT FEATURE CL-3D1G-400-CD-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		REV. -
				SHEET	1 OF 1