

# DESCRIPTION

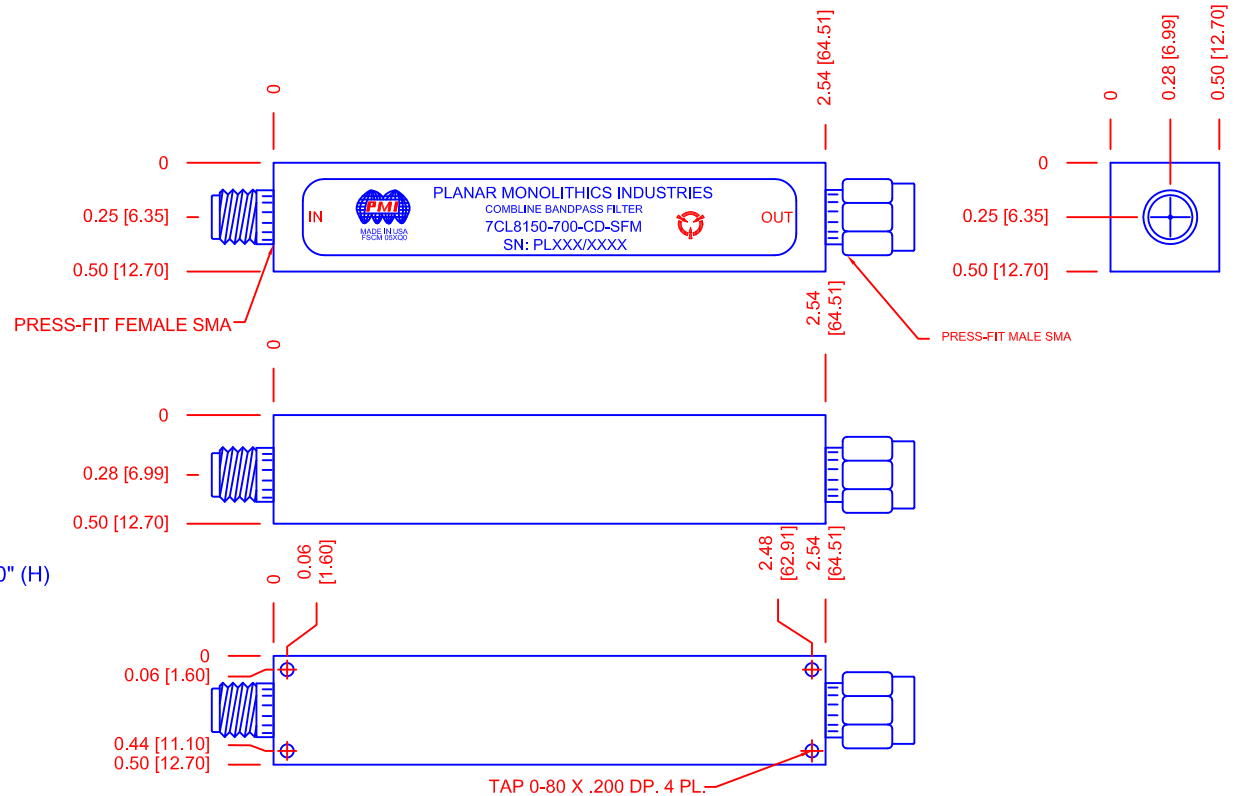
PMI model number 7CL8150-700-CD-SFM is a Comblane Bandpass filter with SMA female connectors in and SMA male connectors out. All filters will be machined and silver plated to provide the highest possible Q.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A1	ORIGINAL RELEASE	12/19/2017	

# SPECIFICATIONS

- CENTER FREQUENCY: ----- 8.15 GHz
- 1dB BANDWIDTH: ----- 0.7 GHz
- VSWR IN THE PASS BAND: ----- 1.5:1 MAX
- INSERTION LOSS: ----- 2.0 dB MAX
- PASSBAND FLATNESS: ----- 1.0dB P-P MAX
- INSERTION LOSS VARIATION OVER OPERATING TEMP: ----- 1.0dB MAX
- REJECTION: ----- 7 POLE RESPONSE
- REJECTION @7030 MHz: ----- -65dBc MIN
- REJECTION @7520 MHz: ----- -40dBc MIN
- REJECTION @8850 MHz: ----- -40dBc MIN
- REJECTION @9200 MHz: ----- -65dBc MIN
- CONNECTORS (IN/OUT): ----- SMA FEMALE / MALE
- SIZE: ----- 2.54" (L) x 0.50" (W) x 0.50" (H)
- WEIGHT: ----- 1 OZ. TYP
- FINISH: ----- BLUE PAINTED

# MECHANICAL OUTLINE



# ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -55 °C TO +85 °C (OPERATING)  
----- -65 °C TO +125 °C (STORAGE)
- 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			
DRAWN <i>DPD</i>		7/25/05	PRODUCT FEATURE 7CL8150-700-CD-SFM			
REDRAWN <i>JPU</i>		12/19/17	SIZE	FSCM NO.	DWG NO.	REV.
ISSUED			A	05XQ0	27033760	A1
			SCALE	N:S	SHEET	1 OF 1