

## DESCRIPTION

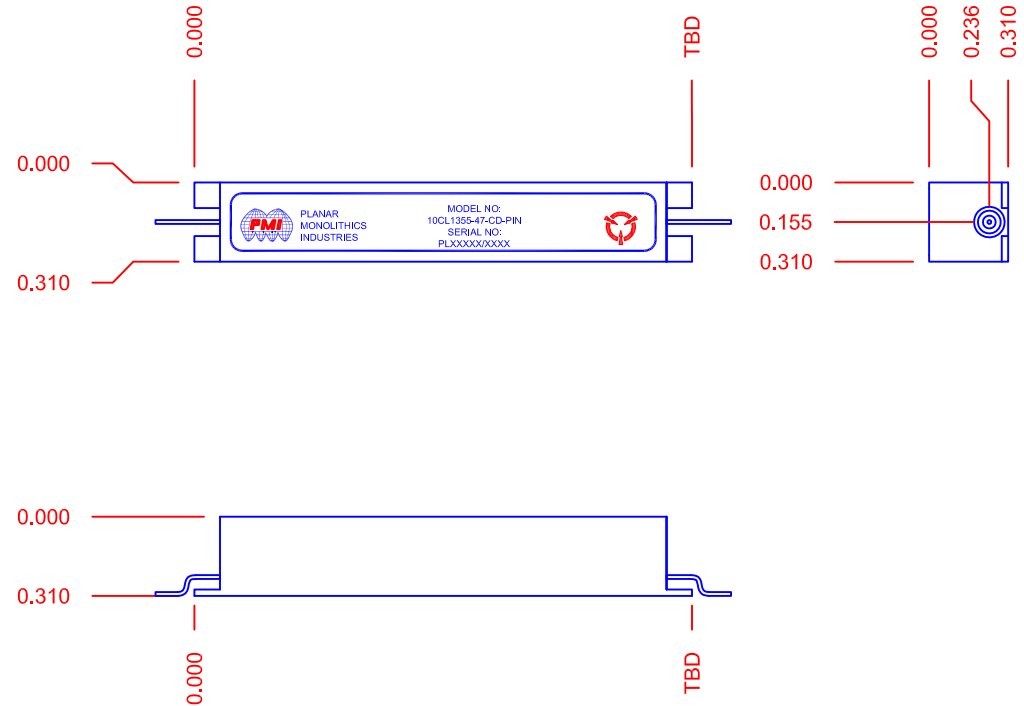
PMI MODEL: 10CL1355-47-CD-PIN IS A COMBLINE BANDPASS FILTER CENTERED AT 1355 MHz WITH A 47 MHz BANDWIDTH. THIS FILTER FEATURES HIGH OUT OF BAND REJECTION AND LOW PASSBAND INSERTION LOSS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	9/16/16	

## MECHANICAL OUTLINE

## SPECIFICATIONS

- CENTER FREQUENCY: ----- 1355 MHz
- 3 dB BANDWIDTH: ----- 3.5% MINIMUM
- INSERTION LOSS: ----- 5 dB MAXIMUM
- PASS BAND RIPPLE: ----- 1.0 dB MAXIMUM
- REJECTION: -----
  - 70 dB MAXIMUM @ 1250 MHz
  - 70 dB MAXIMUM @ 1500 MHz
  - 55 dB MAXIMUM ABOVE 1500 MHz
  - 55 dB MAXIMUM BELOW 1250 MHz
- VSWR: ----- 1.35:1 MAXIMUM
- IMPEDANCE: ----- 50 Ω (INPUT/OUTPUT)
- CONNECTORS: ----- PIN
- SIZE: ----- 0.310" x 0.310" x TBD"  
7.874 mm x 7.874 mm x TBD mm
- FINISH: ----- GOLD PLATED



## ENVIRONMENTAL RATINGS

- TEMPERATURE: ----- -40 °C TO +85 °C (OPERATING)
- HUMIDITY: ----- MIL-STD-202, METHOD 103B COND. B
- SHOCK: ----- MIL-STD-202, METHOD 213B COND. B
- VIBRATION: ----- X, Y, & Z Axes, 6 Grms, 10 Min
- 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

**PMI CONFIDENTIAL AND PROPRIETARY**

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

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ISO 9001 CERTIFIED



APPROVALS		DATE	TITLE			
DRAWN <i>M. Berry</i>		09/16/16	PRODUCT FEATURE 10CL1355-47-CD-PIN			
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY	REV. -
ISSUED			SCALE N:S		SHEET 1 OF 1	