

## DESCRIPTION

PMI MODEL: 10BP2160-93D5-CD-SFF IS A BAND PASS FILTER WITH A CENTER FREQUENCY OF 2160 MHz AND A NOMINAL BANDWIDTH OF 93.5 MHz. THIS UNIT HAS A MAXIMUM INSERTION LOSS OF 10.0 dB INSIDE THE SMALL 2.00" x 0.50" x 0.50" PACKAGE OUTFITTED WITH SMA FEMALE CONNECTORS.

## SPECIFICATIONS

- CENTER FREQUENCY: ----- 2160 MHz NOMINAL
- 3 dB BANDWIDTH: ----- 93.5 MHz NOMINAL
- PASSBAND INSERTION LOSS: ----- 10.0 dB MAXIMUM
- PASSBAND VSWR: ----- 1.5:1 MAXIMUM
- STOPBAND ATTENUATION: ----- 70 dB MINIMUM @ FREQ. < 2040 MHz  
70 dB MINIMUM @ FREQ. > 2280 MHz
- POWER HANDLING: ----- +30 dBm MAXIMUM
- IMPEDANCE: ----- 50 Ω
- CONNECTORS: ----- SMA FEMALE
- SIZE: ----- 2.00" x 0.50" x 0.50"  
50.80 mm x 12.70 mm x 12.70 mm
- 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: ----- -0 °C TO +50 °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

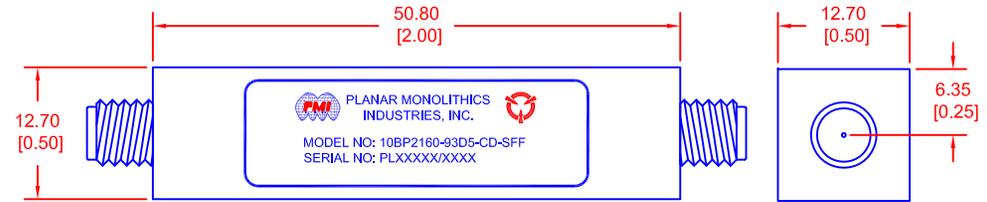
NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE  
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN mm [INCH]  
TOLERANCES:  
X.XX ±0.508 [0.020]  
X.XXX ±0.254 [0.010]

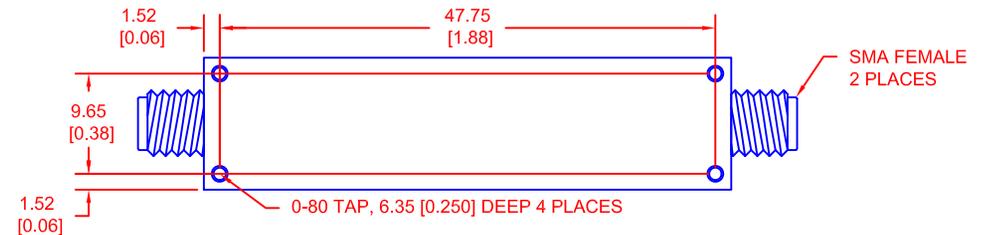
REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	PRELIMINARY	04/08/16	

## MECHANICAL OUTLINE

### TOP VIEW



### BOTTOM VIEW



PMI CONFIDENTIAL AND PROPRIETARY

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APPROVALS		DATE	TITLE		
DRAWN <i>M. Berry</i>		04/08/16	PRODUCT FEATURE 10BP2160-93D5-CD-SFF		
CHECKED			SIZE A	FSCM NO. 05XQ0	DWG NO. PRELIMINARY
ISSUED			SCALE N:S		SHEET 1 OF 1