

## 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 @ 2040 MHz  
70 dB MINIMUM @ 2280 MHz
- POWER HANDLING: ----- +30 dBm MAXIMUM
- IMPEDANCE: ----- 50  $\Omega$
- 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

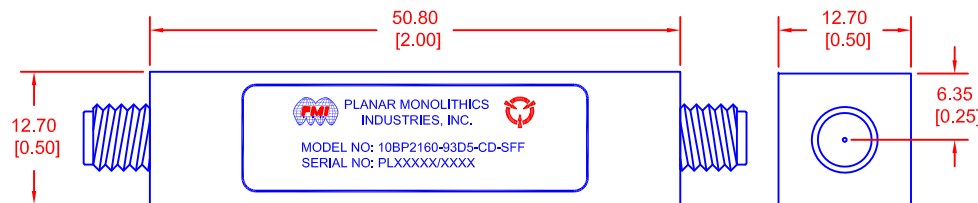
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

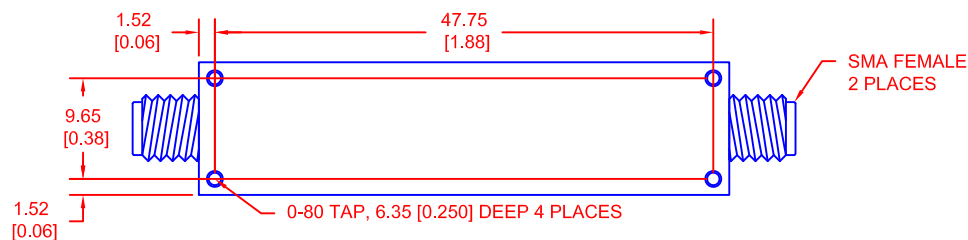
| REVISIONS |      |                  |          |          |
|-----------|------|------------------|----------|----------|
| ZONE      | REV. | DESCRIPTION      | DATE     | APPROVED |
|           | A1   | ORIGINAL RELEASE | 05/24/21 |          |
|           | A2   | ECN # 21-0139    | 08/25/21 |          |
|           |      |                  |          |          |

## MECHANICAL OUTLINE

### TOP VIEW



### BOTTOM VIEW



PMI CONFIDENTIAL AND PROPRIETARY

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ISO 9001 CERTIFIED



| APPROVALS             |  | DATE     |  | TITLE                                   |                  |
|-----------------------|--|----------|--|-----------------------------------------|------------------|
| DRAWN <i>M. Berry</i> |  | 04/08/16 |  | PRODUCT FEATURE<br>10BP2160-93D5-CD-SFF |                  |
| CHECKED               |  |          |  | SIZE A                                  | REV. A2          |
| ISSUED                |  |          |  | FSCM NO. 05XQ0                          | DWG NO. 27042120 |
|                       |  |          |  | SCALE N:S                               | SHEET 1 OF 1     |