

## DESCRIPTION

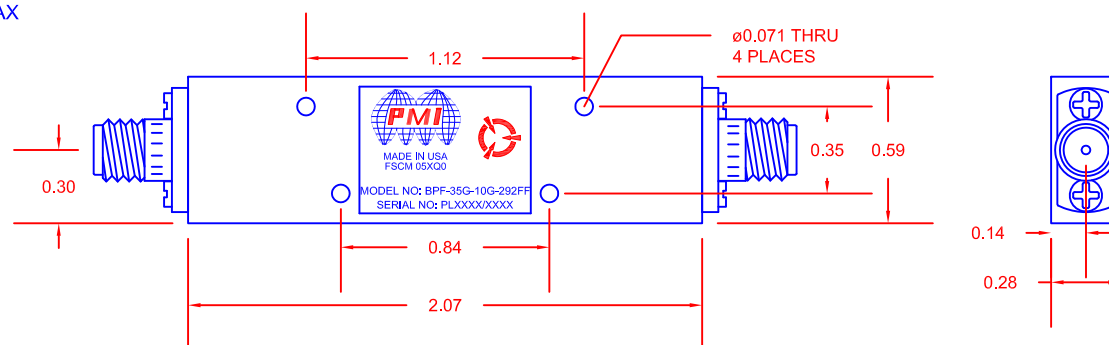
PMI MODEL NO. BPF-35G-10G-292FF IS A BAND PASS FILTER WITH A CENTER FREQUENCY OF 35.0 GHZ. IT HAS A TYPICAL INSERTION LOSS OF 1.5 dB AND A TYPICAL VSWR OF 1.7:1. THIS MODEL IS OUTFITTED WITH 2.92 mm FEMALE CONNECTORS.

| REVISIONS |      |             |           |          |
|-----------|------|-------------|-----------|----------|
| ZONE      | REV. | DESCRIPTION | DATE      | APPROVED |
|           | -    | PRELIMINARY | 12/6/2018 |          |
|           |      |             |           |          |
|           |      |             |           |          |

## MECHANICAL OUTLINE

## SPECIFICATIONS

- FREQUENCY RANGE (-1 dB BANDWIDTH): 30.0 TO 40.0 GHz
- INSERTION LOSS: 1.5 dB TYP, 2.5 dB MAX
- PASS BAND RIPPLE:  $\pm 0.5$  dB TYP,  $\pm 0.75$  dB MAX
- VSWR: 1.7:1 TYP, 2.0:1 MAX
- REJECTION @ DC TO 29.0 GHz: 30 dB MIN, 35 dB TYP
- REJECTION @ 41.0 GHz: 30 dB MIN, 35 dB TYP
- INPUT POWER: 1 WATT MAX
- IMPEDANCE: 50 OHMS
- CONNECTORS: 2.92 mm FEMALE



## ENVIRONMENTAL RATINGS

- TEMPERATURE: -45 °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

PMI CONFIDENTIAL AND PROPRIETARY

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

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ISO 9001 CERTIFIED



|                    |                |                                                   |                   |                        |          |  |
|--------------------|----------------|---------------------------------------------------|-------------------|------------------------|----------|--|
|                    |                | TITLE<br><br>PRODUCT FEATURE<br>BPF-35G-10G-292FF |                   |                        |          |  |
| APPROVALS          | DATE           |                                                   |                   |                        |          |  |
| DRAWN<br><i>EW</i> | <i>12/6/18</i> |                                                   |                   |                        |          |  |
| REDRAWN            |                | SIZE<br>A                                         | FSCM NO.<br>05XQ0 | DWG NO.<br>PRELIMINARY | REV<br>- |  |
| ISSUED             |                | SCALE<br>N:S                                      |                   | SHEET<br>1 OF 1        |          |  |