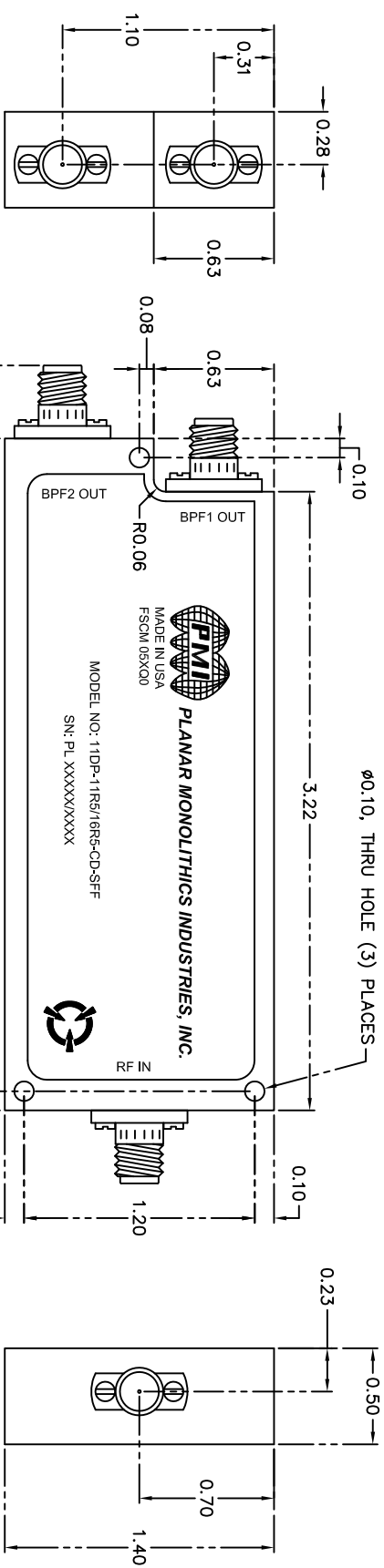


DESCRIPTION:

PMI model number 11DP-11R5/16R5-CD-SFF is a Diplexer filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

| REVISIONS | | DATE | APPROVED |
|-----------|------|------------------|----------|
| ZONE | REV. | DESCRIPTION | |
| | A | ORIGINAL RELEASE | 7/24/08 |
| | B | ECN# 13-0002 | 3/25/13 |



SPECIFICATIONS:

- CENTER FREQUENCY: BPF1 - 11.5 GHz
BPF2 - 16.5 GHz
- PASSBAND: BPF1 - 10.75 TO 12.25 GHz
BPF2 - 15.75 TO 17.25 GHz
- INSERTION LOSS (PASSBAND): 2dB Goal, 3dB Max.
- REJECTION: BPF1 - Fo=11.5GHz
-50dBc Min. @ 10.25 GHz
-75dBc Min. @ 13.75 GHz
BPF2 - Fo=16.5GHz
-50dBc Min. @ 17.75 GHz
-75dBc Min. @ 14.25 GHz
- VSWR: 1.5:1 Max.
- RETURN LOSS INPUT/OUTPUT : < -14.0 dB
- CONNECTORS INPUT/OUTPUT: SMA(F) - FIELD REMOVABLE
- FINISH: NO PAINT - SILVER PLATING

ENVIRONMENTAL RATINGS:

- TEMPERATURE: -27°C TO +95°C (OPERATING BASE PLATE)
-65°C TO +125°C (STORAGE)
+25°C (SPEC)
- HUMIDITY: MIL-STD-202F, METHOD 103B COND. B
- SHOCK: MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: MIL-STD-202F, METHOD 204D COND. B
- TEMPERATURE CYCLE: MIL-STD-202F, METHOD 107
- SALT FOG: MIL-STD-202F, METHOD 101D-EST COND. B
- THERMAL SHOCK: MIL-STD-202F, METHOD 107D COND. A

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XXX ±0.010
X.XXXX ±0.005

PMI CONFIDENTIAL & PROPRIETARY

| | | |
|-----------|--|------------------------------|
| PART NO. | PLANAR MONOLITHICS INDUSTRIES FREDERICK, MARYLAND | |
| APPROVALS | DATE | TITLE |
| | 7/24/08 | PRODUCT FEATURE |
| DRAWN | | MODEL: 11DP-11R5/16R5-CD-SFF |
| CHECKED | | |
| ISSUED | | |

| | | | |
|--------------|----------|----------|------|
| SIZE | FSCM NO. | DWG NO. | REV. |
| A | 05XQ0 | 27008603 | B |
| SCALE | N/A | | |
| SHEET 1 OF 1 | | | |