

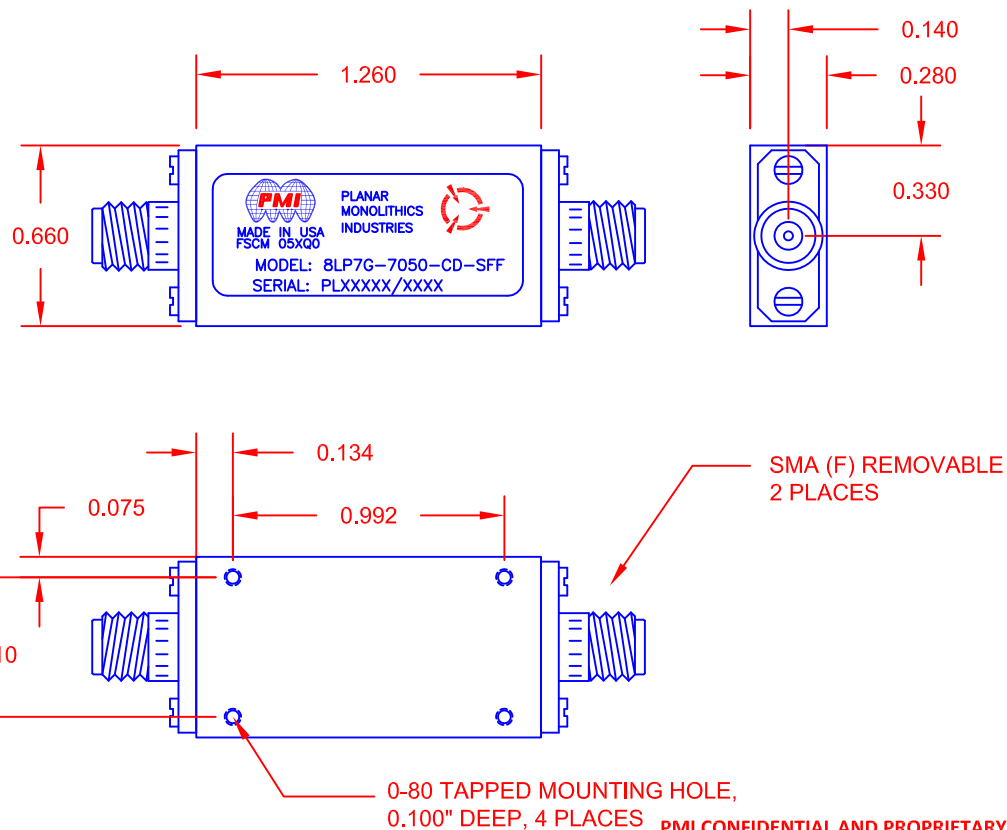
## DESCRIPTION:

PMI model number 8LP7G-7050-CD-SFF is a Lowpass filter with SMA female connectors in and out. All filters will be machined and silver plated to provide the highest possible Q.

| REVISIONS |      |                  |          |          |
|-----------|------|------------------|----------|----------|
| ZONE      | REV. | DESCRIPTION      | DATE     | APPROVED |
|           | 1    | ORIGINAL RELEASE | 04/27/15 |          |
|           | A2   | ECN # 20-0073    | 04/30/20 |          |
|           |      |                  |          |          |

## SPECIFICATIONS:

- PASSBAND: \_\_\_\_\_ DC TO 7 GHz
- VSWR IN THE PASS BAND: \_\_\_\_\_ 2.0:1 MAX. 1.5:1 GOAL
- INSERTION LOSS (PASSBAND): \_\_\_\_\_ 1 dB TYP.
- REJECTION @ 9 GHz: \_\_\_\_\_ 40dB
- REJECTION @ 13.562 GHz: \_\_\_\_\_ 65dB
- CONNECTORS: \_\_\_\_\_ SMA FEMALE CONNECTORS
- INPUT POWER: \_\_\_\_\_ 20 W MAX
- SIZE: \_\_\_\_\_ 1.10" (L) x 0.30" (W) x 0.66" (H)
- WEIGHT: \_\_\_\_\_ 1 OZ. TYP.
- 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: \_\_\_\_\_ -55°C TO +85°C (OPERATING)  
-65°C TO +125°C (STORAGE)
- HUMIDITY: \_\_\_\_\_ MIL-STD-202F, METHOD 103B COND. B
- SHOCK: \_\_\_\_\_ MIL-STD-202F, METHOD 213B COND. B
- VIBRATION: \_\_\_\_\_ MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE: \_\_\_\_\_ MIL-STD-202F, METHOD 105C COND. B
- SALT FOG: \_\_\_\_\_ MIL-STD-202F, METHOD 107D COND. A
- FUNGUS: \_\_\_\_\_ MIL-STD-810C, METHOD 508.2
- TEMPERATURE CYCLE: \_\_\_\_\_ MIL-STD-202F, METHOD 107

NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

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

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| APPROVALS          |  | DATE     | TITLE                                |                   |                     |            |
|--------------------|--|----------|--------------------------------------|-------------------|---------------------|------------|
| DRAWN<br>S. PALABO |  | 04/27/15 | PRODUCT FEATURE<br>8LP7G-7050-CD-SFF |                   |                     |            |
| CHECKED            |  |          | SIZE<br>A                            | FSCM NO.<br>05XQ0 | DWG NO.<br>27025942 | REV.<br>A2 |
| ISSUED             |  |          | SCALE<br>N:S                         | SHEET 1 OF 1      |                     |            |