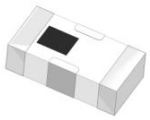
# Low Pass Filter

## JY-LFCN-1700+



Generic photo used for illustration purposes only

**50Ω DC to 1700 MHz**

### Features

- excellent power handling
- small size
- 7 sections
- temperature stable
- LTCC construction , and has good moisture resistance, corrosion resistance, high reliability.

### Applications

- harmonic rejection
- VHF/UHF transmitters/receivers
- Base Station of Mobile Communication、lab use.

| Maximum Ratings | |
|---|---|
| Operating Temperature | -55°C to 100°C |
| Storage Temperature | -55°C to 100°C |
| RF Power Input* | 10W max. at 25°C |

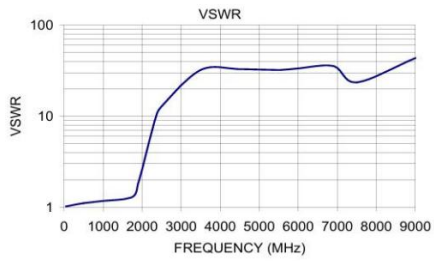
*Permanent damage may occur if any of these limits are exceeded.

### Electrical Specifications at 25°C

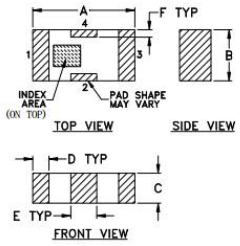
| Parameter | | Frequency(MHz) | Min. | Typ. | Max. | Unit |
|---|---|---|---|---|---|---|
| Pass Band | Insertion Loss | DC-1700 | - | - | 1.2 | dB |
| | Freq.Cut-Off | 2050 | - | 3.0 | - | dB |
| | VSWR | DC-1700 | - | 1.2 | - | :1 |
| Stop Band | Rejection Loss | 2375 | 20 | - | - | dB |
| | | 2500-6500 | - | 30 | - | dB |
| | | 7000 | - | 20 | - | dB |
| | VSWR | 2375-7000 | - | 20 | - | :1 |

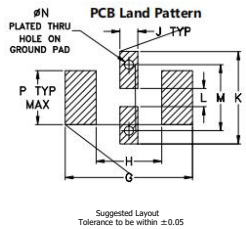
| Pin Connections | |
|---|---|
| RF IN | 1 |
| RF OUT | 3 |
| GROUND | 2,4 |



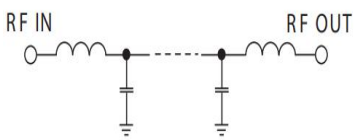




### Outline Drawing

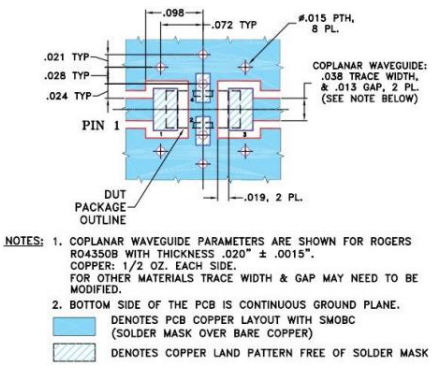



### Electrical Schematic




### Suggested PCB Layout




**Outline Dimensions：Unit ( mm)**

| | | | | | |
|---|---|---|---|---|---|
| A | 3.20 | B | 1.60 | C | 0.94 |
| D | 0.51 | E | 0.81 | F | 0.23 |
| G | 4.29 | H | 2.21 | J | 0.61 |
| K | 3.10 | L | 0.61 | M | 2.21 |
| N | 0.30 | P | 1.80 | wt | 0.02g |

JY-LFCN-1700+

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