

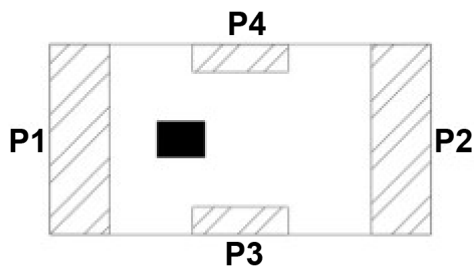
### Features

- Multilayer monolithic construction yields high reliability
- Low insertion loss and small size SMD chip design
- Can simplify your complex tuning and circuit design
- LTCC process

### Specifications

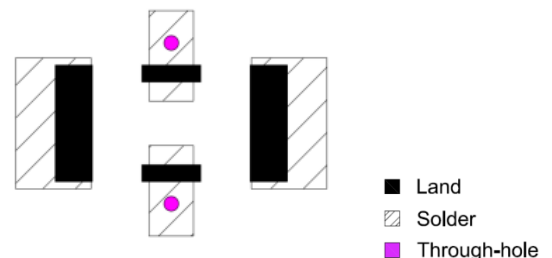
| NO. | Parameter                   | SPC                                                                               |
|-----|-----------------------------|-----------------------------------------------------------------------------------|
| 1   | Frequency range             | DC-2750 MHz                                                                       |
| 2   | Insertion Loss              | 1.2dB max. at +25°C; 3dB max. at +25°C @3230 MHz                                  |
| 3   | Attenuation                 | 20 dB min. @ 4000 MHz<br>30 dB min. @ 4100-6800 MHz<br>20 dB min. @ 4000-8400 MHz |
| 4   | VSWR (In BW)                | 1.5 max.; TYP1.2 max.                                                             |
| 5   | Port Impedance              | 50Ω                                                                               |
| 6   | Power                       | 10.0W max.                                                                        |
| 7   | Operation Temperature Range | -55°C ~ +100°C                                                                    |

### Construction



| PIN | Connection  |
|-----|-------------|
| 1   | Input port  |
| 2   | Output port |
| 3   | GND         |
| 4   | GND         |

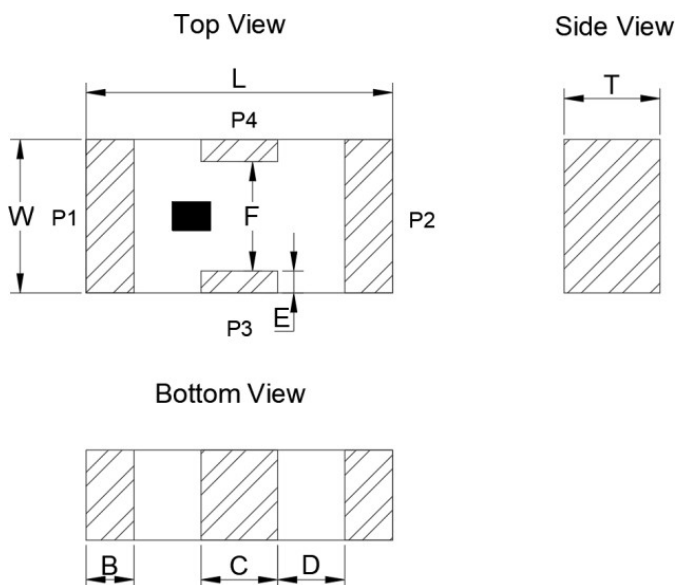
### Mounting Considerations



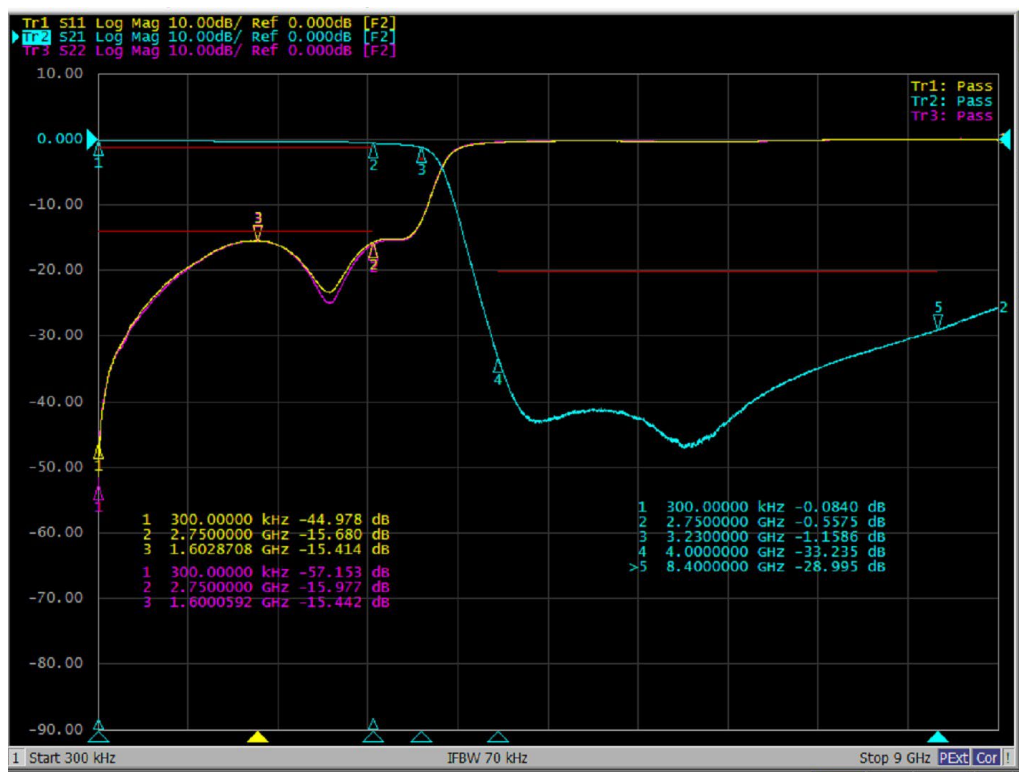
Unit: mm

Line width to be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness

### Dimensions

| Figure                                                                                                                                 | Symbol | Dimension (mm) |
|----------------------------------------------------------------------------------------------------------------------------------------|--------|----------------|
|  <p>Top View</p> <p>Side View</p> <p>Bottom View</p> | L      | 3.2 ± 0.10     |
|                                                                                                                                        | W      | 1.6 ± 0.10     |
|                                                                                                                                        | T      | 1.0 ± 0.10     |
|                                                                                                                                        | B      | 0.51 ± 0.10    |
|                                                                                                                                        | C      | 0.81 ± 0.10    |
|                                                                                                                                        | D      | 0.685 ± 0.10   |
|                                                                                                                                        | E      | 0.23 ± 0.10    |
|                                                                                                                                        | F      | 1.14 ± 0.10    |

### Typical Electrical Characteristics (T=25°C)



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