

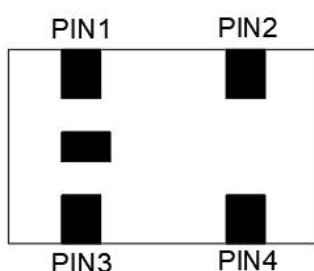
### Features

- 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

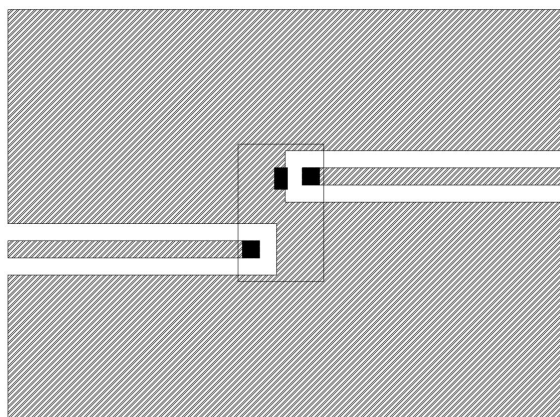
| NO. | Parameter                        | Frequency (MHz) | SPEC  |      |
|-----|----------------------------------|-----------------|-------|------|
|     |                                  |                 | Min.  | Max. |
| 1   | Insertion Loss (dB)              | DC~4500         |       | 2.8  |
| 2   | VSWR                             | DC~4500         |       | 1.3  |
| 3   | Attenuation                      | 4700            | 10dBC |      |
|     |                                  | 5300~9200       | 25dBC |      |
| 4   | In/Output Impedance ( $\Omega$ ) |                 | 50    |      |

### Construction



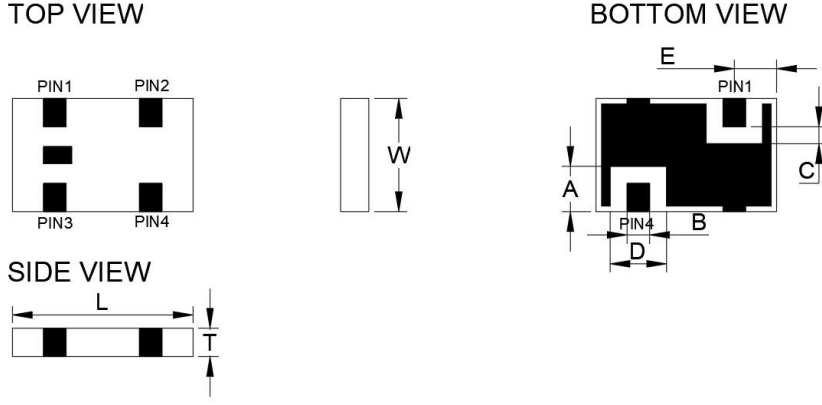
| PIN | Connection  |
|-----|-------------|
| 1   | Input Port  |
| 2   | GND         |
| 3   | GND         |
| 4   | Output Port |

### Mounting Considerations

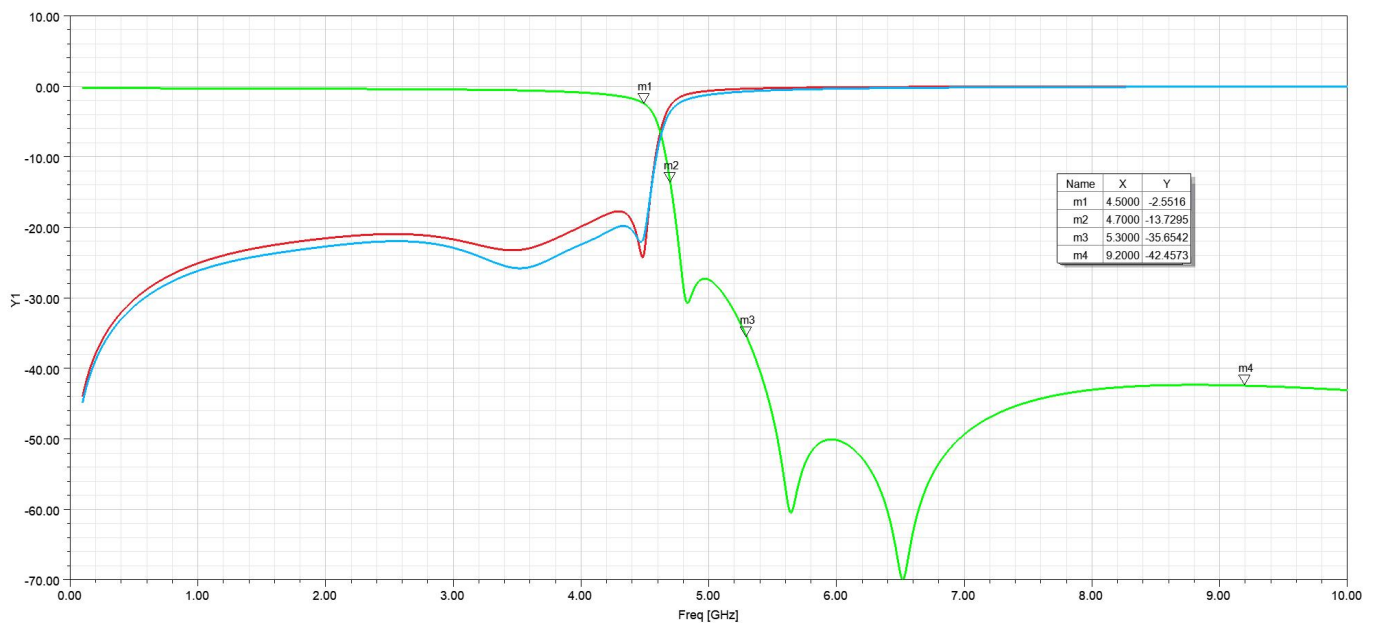


Line width to be designed to match 50  $\Omega$  characteristic impedance, depending on PCB material and thickness

### Dimensions

| Figure                                                                              | Symbol | Dimension (mm) |
|-------------------------------------------------------------------------------------|--------|----------------|
|  | L      | 3.20±0.20      |
|                                                                                     | W      | 2.00±0.20      |
|                                                                                     | T      | 0.50±0.10      |
|                                                                                     | A      | 0.80±0.10      |
|                                                                                     | B      | 0.40±0.10      |
|                                                                                     | C      | 0.30±0.10      |
|                                                                                     | D      | 1.00±0.10      |
|                                                                                     | E      | 0.75±0.10      |

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



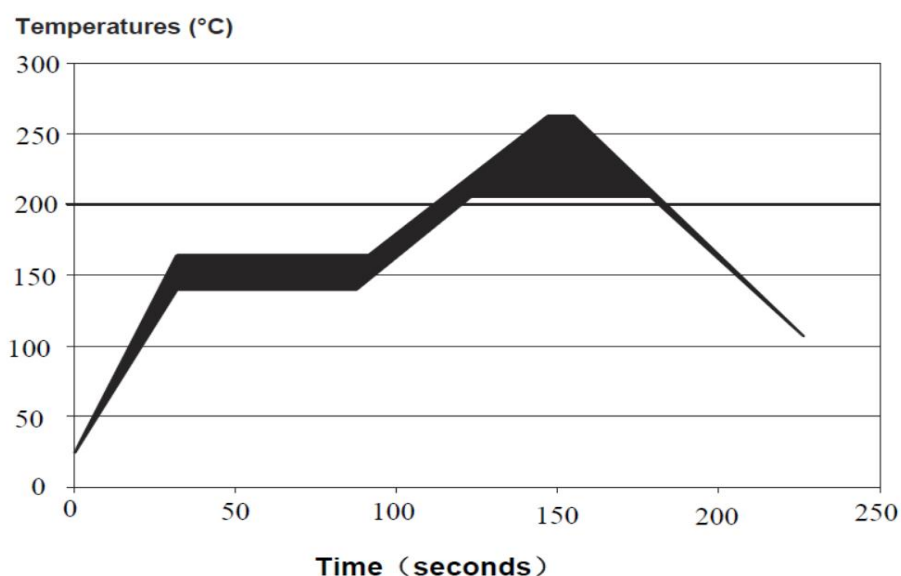
### Yantel Corporation

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### Solder Reflow Standard Conditioning



### Storage Conditions

Temperature : +5 to +30 °C

Humidity : 20 to 70% RH

Term of storage : Within 12 months (After the delivery) \*

Baking : Unnecessary

\* After peeling off cover tape, do not keep exposing the products to the open air. For the products stored longer than 12 months, confirm their terminals and solderability before use.