

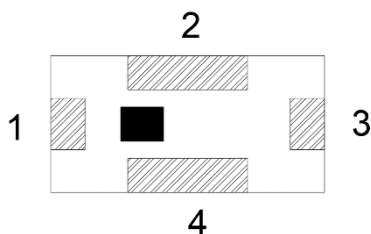
### zFeatures

- 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

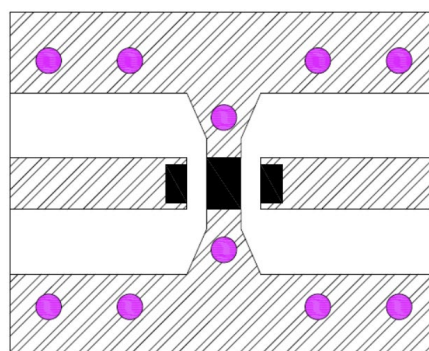
| NO. | Parameter                        | Frequency (MHz) | SPC  |      |
|-----|----------------------------------|-----------------|------|------|
|     |                                  |                 | Min. | Max. |
| 1   | Insertion Loss (dB)              | 2500~2700       |      | 2.2  |
| 2   | VSWR                             | 2500~2700       |      | 2.1  |
| 3   | Attenuation (dB)                 | 806~825         | 25   |      |
|     |                                  | 825~849         | 25   |      |
|     |                                  | 880~915         | 25   |      |
|     |                                  | 1710~1785       | 25   |      |
|     |                                  | 1850~1910       | 25   |      |
|     |                                  | 1920~1980       | 15   |      |
|     |                                  | 3300~3900       | 5    |      |
|     |                                  | 4900~5900       | 15   |      |
| 4   | In/Output Impedance ( $\Omega$ ) | 50              |      |      |

### Construction



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

### Mounting Considerations



- Land
- ▨ Solder
- Through-hole

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

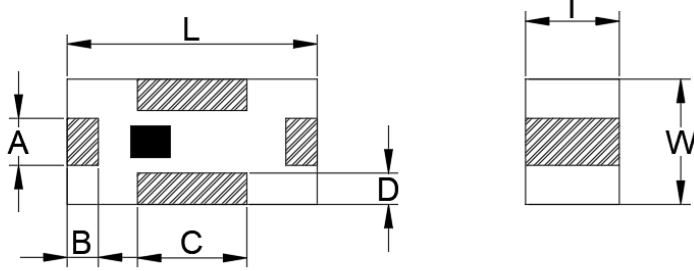
### Yantel Corporation

Add: No.308-322,3F,Building 1,Juchuang Jingu Innovation Park,Wenyuan Road 35,Xili Street,Nanshan,Shenzhen,China

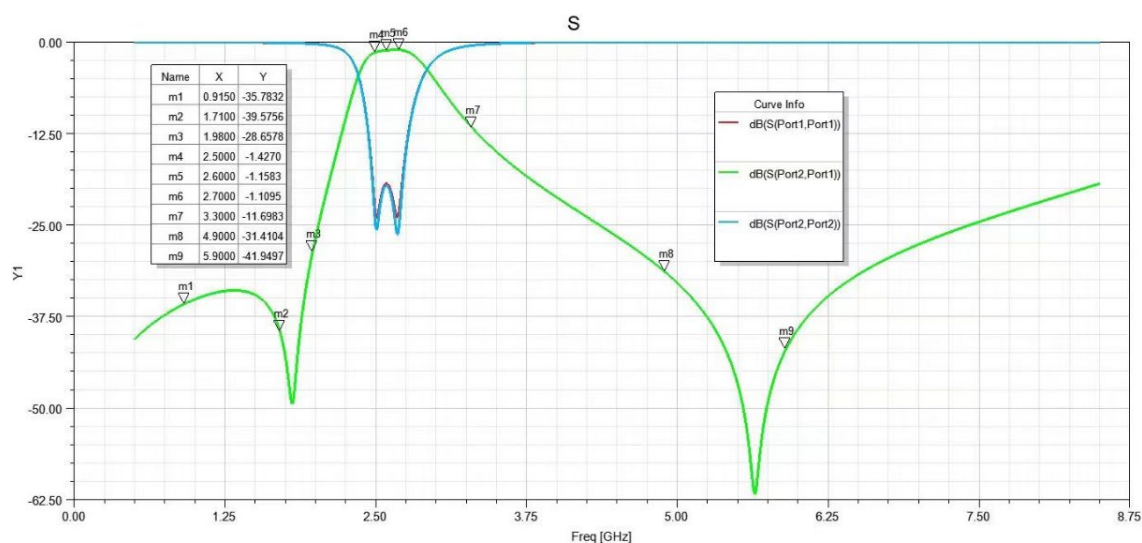
Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

### Dimensions

| Figure                                                                            | Symbol | Dimension (mm) |
|-----------------------------------------------------------------------------------|--------|----------------|
|  | L      | 1.60±0.15      |
|                                                                                   | W      | 0.80±0.15      |
|                                                                                   | T      | 0.60±0.15      |
|                                                                                   | A      | 0.30±0.10      |
|                                                                                   | B      | 0.20±0.10      |
|                                                                                   | C      | 0.7±0.10       |
|                                                                                   | D      | 0.2±0.10       |

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



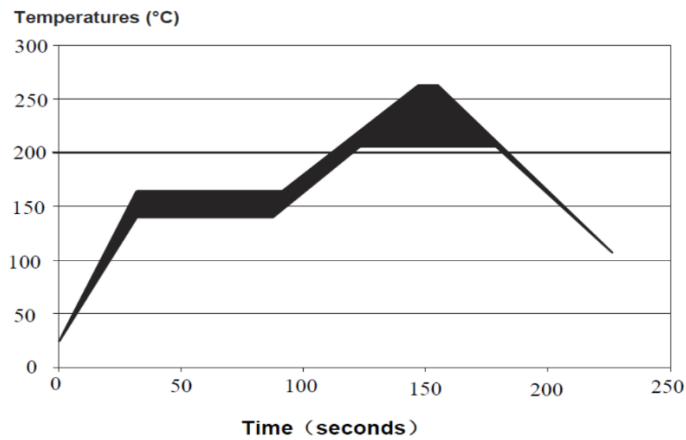
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### Solder Reflow Standard Conditioning



### 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.