

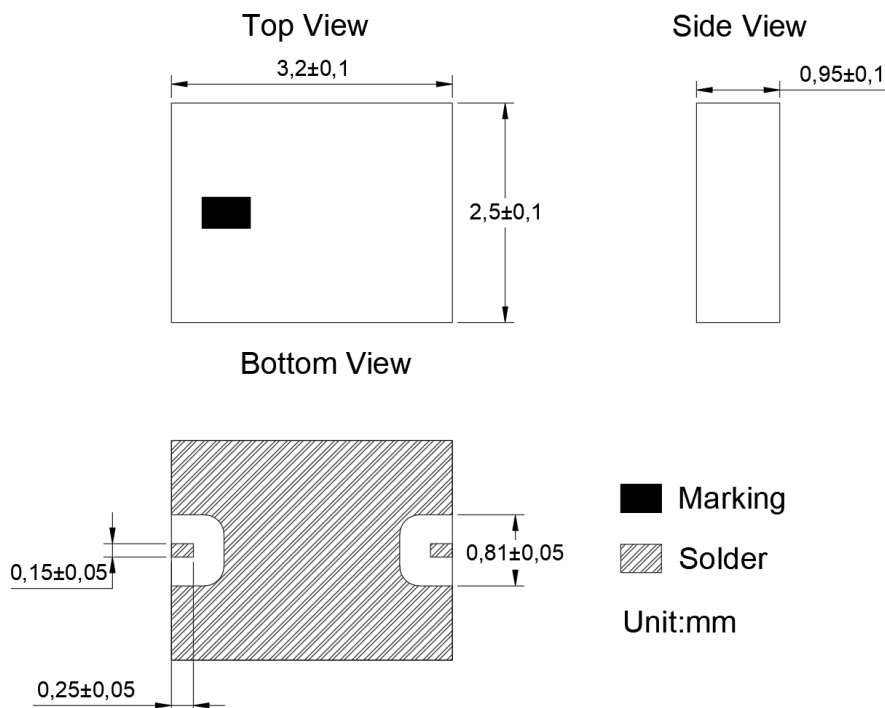
### Features

- 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. | Typ. | Max. |
| 1                                                                       | Insertion Loss (dB) 25°C | DC-16500        | /    | 1.3  | 1.9  |
| 2                                                                       | Return loss (dB)         | DC-16500        | 10   | 13   | /    |
| 3                                                                       | Attenuation (dB)         | 22500-25000     | 20   | 35   | /    |
|                                                                         |                          | 25000-26500     | 25   | 35   | /    |
|                                                                         |                          | 26500-40000     | /    | 30   | /    |
| 4                                                                       | In/Output Impedance (Ω)  | 50              |      |      |      |
| <b>Operating &amp; Storage Condition (Component)</b>                    |                          |                 |      |      |      |
| Operation Temperature Range: -40℃ ~ +85℃                                |                          |                 |      |      |      |
| Storage Temperature Range: -40℃~ +85℃                                   |                          |                 |      |      |      |
| <b>Storage Condition before Soldering (Included packaging material)</b> |                          |                 |      |      |      |
| Storage Temperature Range: +5 ~ +40 ℃                                   |                          |                 |      |      |      |
| Humidity: 30 to 70% relative humidity                                   |                          |                 |      |      |      |

### Construction&Dimensions



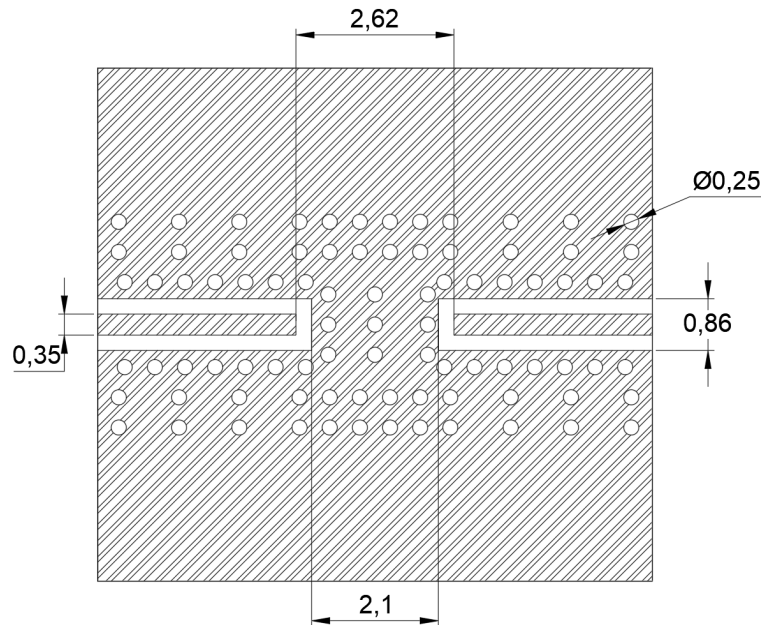
### Yantel Corporation

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)

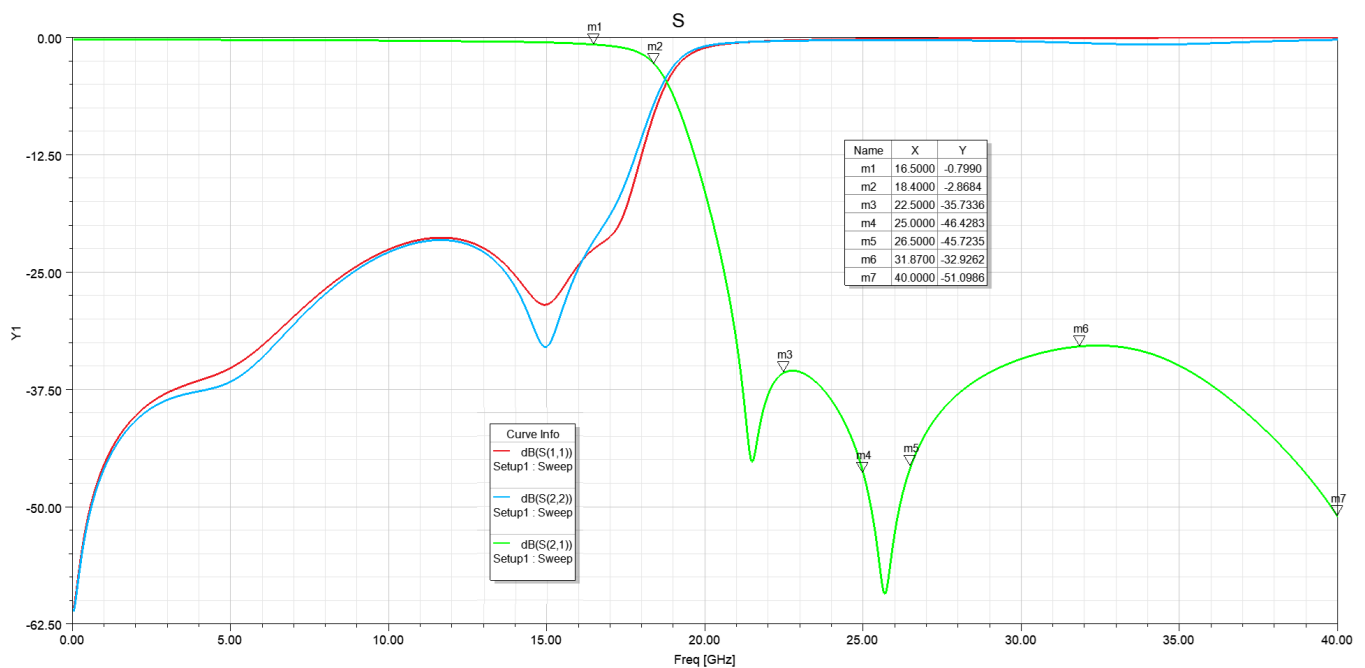
### Mounting Considerations



Unit: mm

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

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



### 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)