

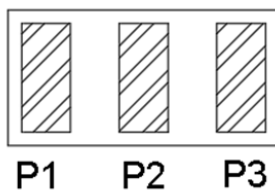
### Features

- 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

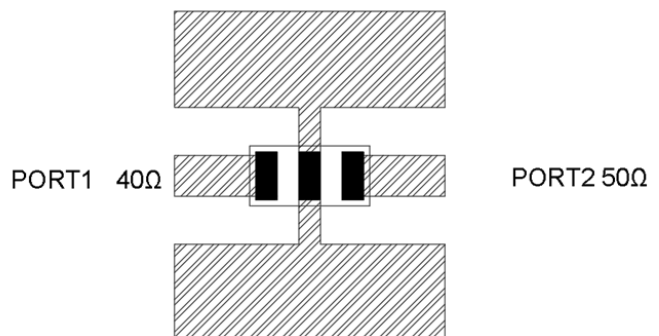
| NO. | Parameter                   | SPEC                                                                                                                                                                                      |
|-----|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Frequency range             | 2400-2500 MHz                                                                                                                                                                             |
| 2   | Insertion Loss              | 1.0 dB max. @ 2400~2500 MHz                                                                                                                                                               |
| 3   | Attenuation                 | 30 dB min. @ 4800~5000 MHz<br>25 dB min. @ 7200~7500 MHz<br>25 dB min. @ 9600~10000 MHz<br>20 dB min. @ 12000~12500 MHz<br>4.5 dB min. @ 14400~15000 MHz<br>3.0 dB min. @ 16800~17000 MHz |
| 4   | Return loss                 | 10 dB min                                                                                                                                                                                 |
| 5   | Output Impedance            | 50Ω                                                                                                                                                                                       |
| 6   | Operation Temperature Range | -40℃ ~ +85℃                                                                                                                                                                               |

### Construction



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

### Mounting Considerations



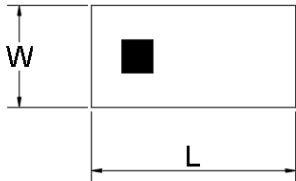
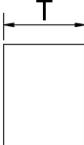
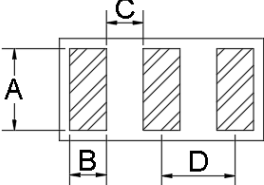
### Yantel Corporation

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

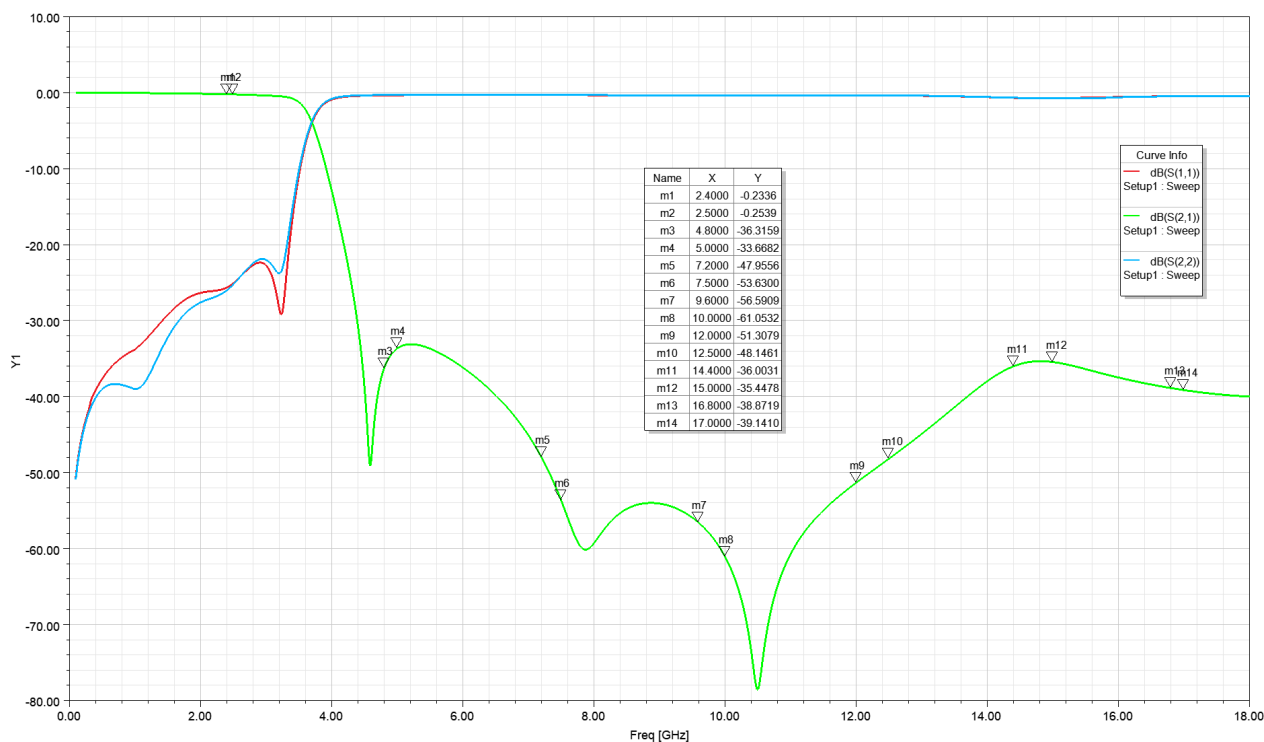
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For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

### Dimensions

| Figure                                                                                                                                                                                                                                                                                                                          | Symbol | Dimension (mm)  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|
| <p><b>TOP VIEW</b></p>  <p><b>SIDE VIEW</b></p>  <p><b>BOTTOM VIEW</b></p>  | L      | $1.0 \pm 0.10$  |
|                                                                                                                                                                                                                                                                                                                                 | W      | $0.5 \pm 0.10$  |
|                                                                                                                                                                                                                                                                                                                                 | T      | $0.38 \pm 0.10$ |
|                                                                                                                                                                                                                                                                                                                                 | A      | $0.40 \pm 0.10$ |
|                                                                                                                                                                                                                                                                                                                                 | B      | $0.18 \pm 0.10$ |
|                                                                                                                                                                                                                                                                                                                                 | C      | $0.18 \pm 0.10$ |
|                                                                                                                                                                                                                                                                                                                                 | D      | $0.36 \pm 0.10$ |

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



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