

### 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             | 10200-11000 MHz                                                                                                                                                                                                                             |
| 2   | Insertion Loss              | 3.7dB max. @ fo at +25°C;                                                                                                                                                                                                                   |
| 3   | Ripple                      | 0.5dB @ any200MHz slice                                                                                                                                                                                                                     |
| 4   | Attenuation                 | 60 dB min. @ DC-6000MHz<br>50 dB min. @ 7620MHz<br>30 dB min. @ 9300MHz<br>15 dB min. @ 9600MHz<br>15 dB min. @ 11600MHz<br>25 dB min. @11860-12680MHz<br>45 dB min. @13560-14360MHz<br>50 dB min. @ 15240MHz<br>35 dB min. @16000-20500MHz |
| 5   | VSWR (In BW)                | 1.5max.                                                                                                                                                                                                                                     |
| 6   | Group delay variation       | 2ns                                                                                                                                                                                                                                         |
| 7   | Port Impedance              | 50Ω                                                                                                                                                                                                                                         |
| 8   | Power                       | 0.5W max.                                                                                                                                                                                                                                   |
| 9   | Operation Temperature Range | -45°C ~ +85°C                                                                                                                                                                                                                               |

### Construction



| PIN | Connection  |
|-----|-------------|
| P1  | Input port  |
| P2  | Output port |
| P3  | GND         |

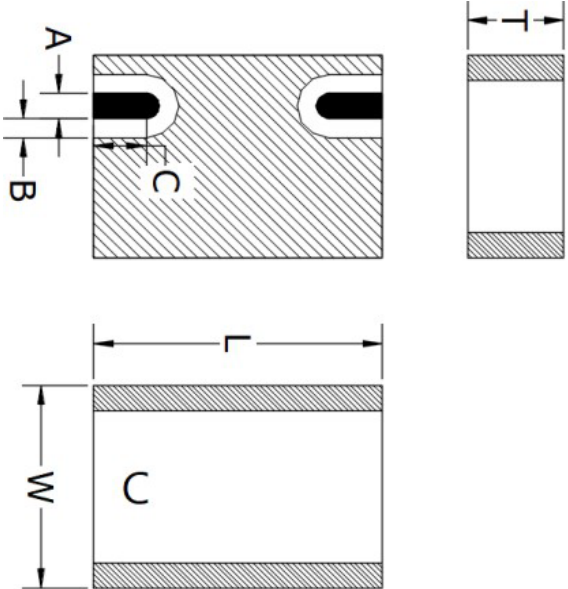
### Yantel Corporation

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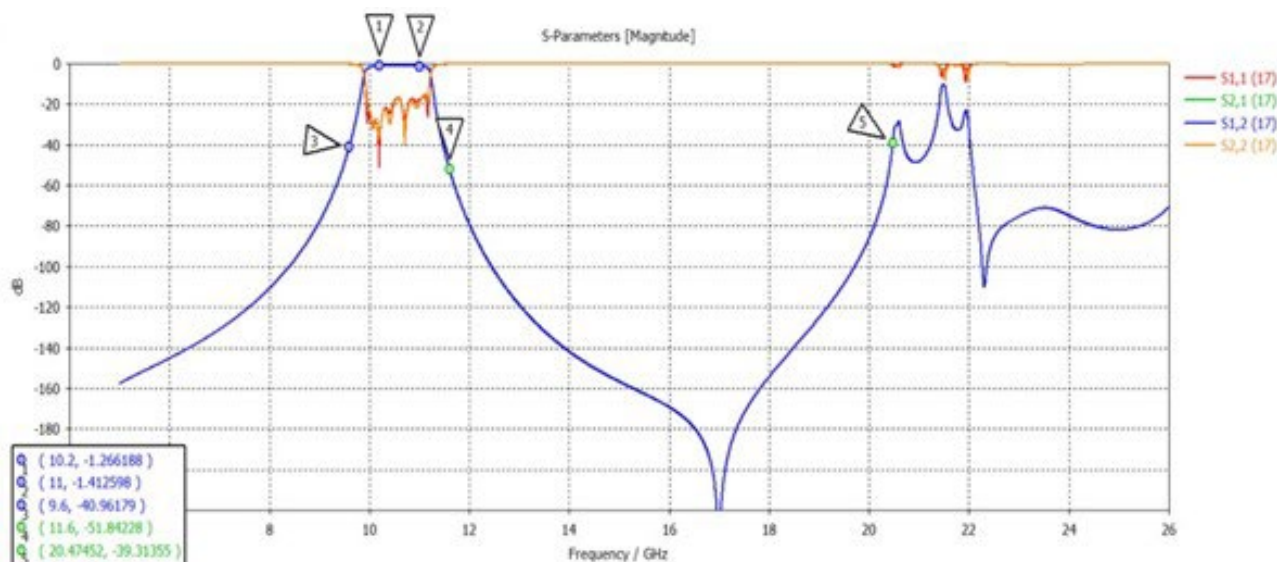
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### Dimensions

|  | L | 4.5 ± 0.20  |  |
|------------------------------------------------------------------------------------|---|-------------|--|
|                                                                                    | W | 3.2 ± 0.20  |  |
|                                                                                    | T | 1.5 ± 0.20  |  |
|                                                                                    | A | 0.4 ± 0.10  |  |
|                                                                                    | B | 0.3 ± 0.10  |  |
|                                                                                    | C | 0.85 ± 0.10 |  |
|                                                                                    |   |             |  |

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



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