

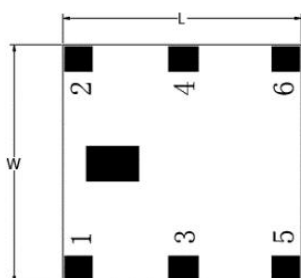
### Features

- 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

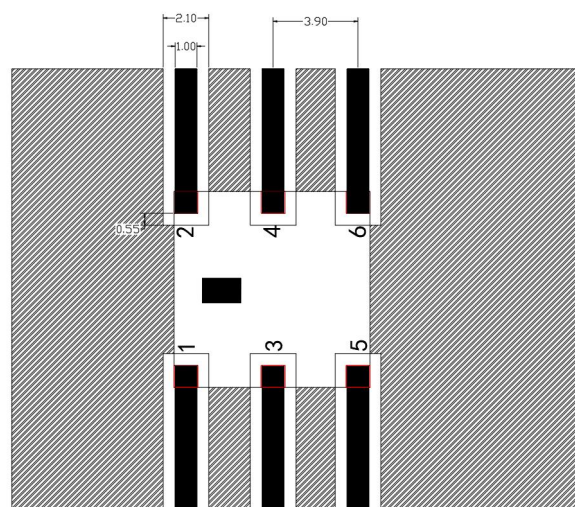
| NO.                                                              | Specification            |              |         |         |
|------------------------------------------------------------------|--------------------------|--------------|---------|---------|
|                                                                  |                          | LPF1         | LPF2    | LPF3    |
| 1                                                                | Frequency range (MHz)    | 225~330      | 330~480 | 480~678 |
| 2                                                                | Insertion Loss (dB) @25℃ | ≤1.1         | ≤0.8    | ≤0.8    |
| 3                                                                | VSWR (In BW)             | ≤1.6         | ≤1.5    | ≤1.5    |
| 4                                                                | Ripple                   | ≤0.8         | ≤0.6    | ≤0.6    |
| 5                                                                | Impedance (Ω)            | 50           | 50      | 50      |
| 6                                                                | Attenuation (dB)         | 450~990MHz   | ≥50     | -       |
|                                                                  |                          | 660~1440 MHz | -       | ≥50     |
|                                                                  |                          | 960~2034MHz  | -       | ≥50     |
| 7                                                                | Power(W)                 | 5W           |         |         |
| Operating & Storage Condition (Component)                        |                          |              |         |         |
| Operation Temperature Range: -40℃ ~ +85℃                         |                          |              |         |         |
| Storage Temperature Range: -40℃~ +85℃                            |                          |              |         |         |
| Storage Condition before Soldering (Included packaging material) |                          |              |         |         |
| Storage Temperature Range: +5 ~ +40 ℃                            |                          |              |         |         |
| Humidity: 30 to 70% relative humidity                            |                          |              |         |         |

### Construction



| PIN | Connection      | PIN | Connection       |
|-----|-----------------|-----|------------------|
| 1   | LPF1 input Port | 2   | LPF1 output Port |
| 3   | LPF2 input Port | 4   | LPF2 output Port |
| 5   | LPF3 input Port | 6   | LPF3 output Port |

### Mounting Considerations



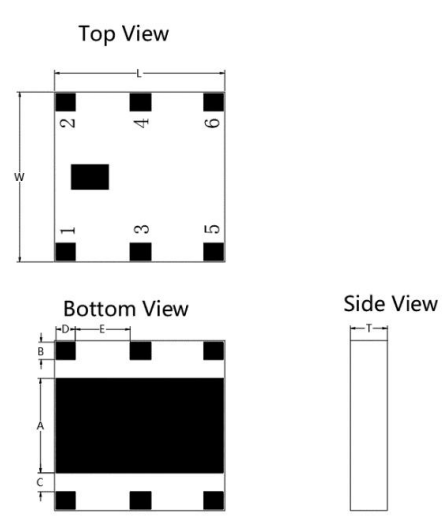
### Yantel Corporation

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

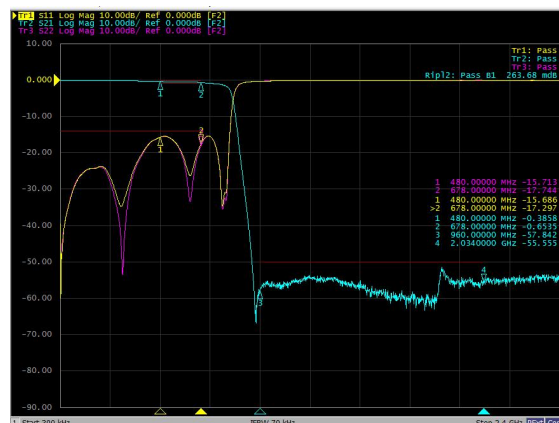
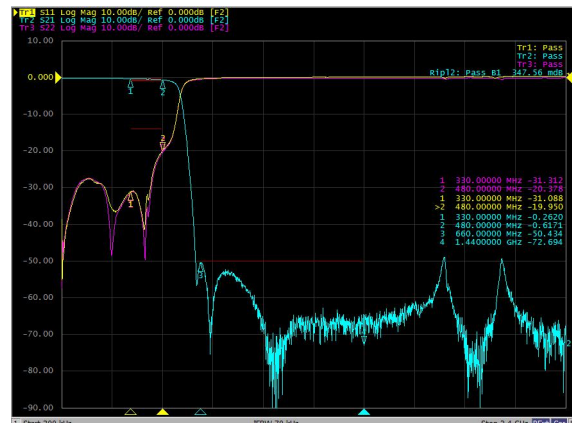
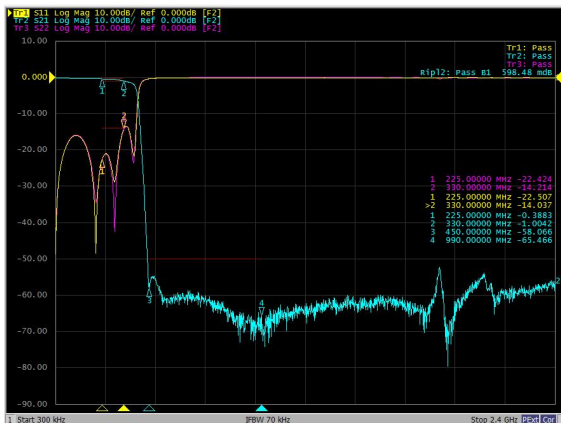
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For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

### Dimensions

| Figure                                                                             | Symbol | Dimension (mm) |
|------------------------------------------------------------------------------------|--------|----------------|
|  | L      | 9.00 ± 0.20    |
|                                                                                    | W      | 9.00 ± 0.20    |
|                                                                                    | T      | 2.50± 0.20     |
|                                                                                    | A      | 5.00± 0.15     |
|                                                                                    | B      | 0.92 ± 0.15    |
|                                                                                    | C      | 1.00 ± 0.15    |
|                                                                                    | D      | 1.10 ± 0.15    |
|                                                                                    | E      | 2.90 ± 0.15    |

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



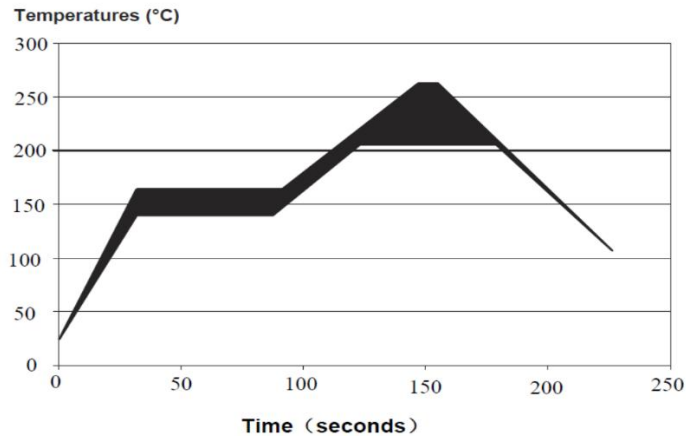
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### Solder Reflow Standard Conditioning



### 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.