

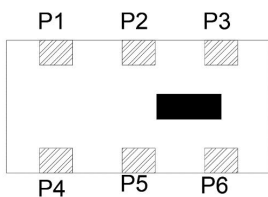
### Features

- 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

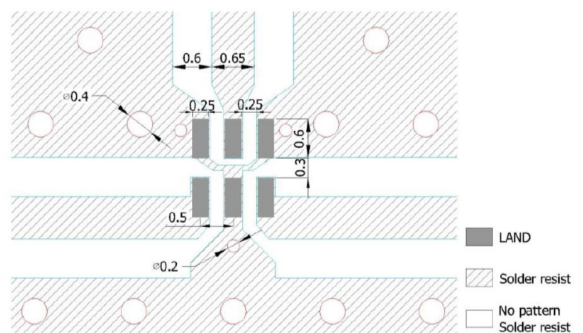
NO.	Specification		
1	Frequency range (MHz)	2400~2500	5150~5850
2	Insertion Loss (dB) @25°C	0.60 max	1.50 max
3	VSWR	2.0 max.	2.0 max.
4	Impedance ( $\Omega$ )	50	50
5	Attenuation	23 dB min. @ 4800~5000 MHz	25 dB min. @ 2400~2500 MHz
		30 dB min. @ 7200~7500MHz	15 dB min. @ 3400~3600 MHz
		-	10 dB min. @ 3600~3900 MHz
		-	20 dB min. @ 6900~7550 MHz
		-	30 dB min. @ 10600~11700 MHz
		-	20 dB min. @ 15300~16200 MHz
<b>Operating &amp; Storage Condition (Component)</b>			
Operation Temperature Range: -40°C ~ +85°C			
Storage Temperature Range: -40°C ~ +85°C			
<b>Storage Condition before Soldering (Included packaging material)</b>			
Storage Temperature Range: +5 ~ +40 °C			
Humidity: 30 to 70% relative humidity			

### Construction



PIN	Connection	PIN	Connection
P1	GND	P4	Low Port
P2	Antenna Input	P5	GND
P3	GND	P6	Higher Port

### Mounting Considerations



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

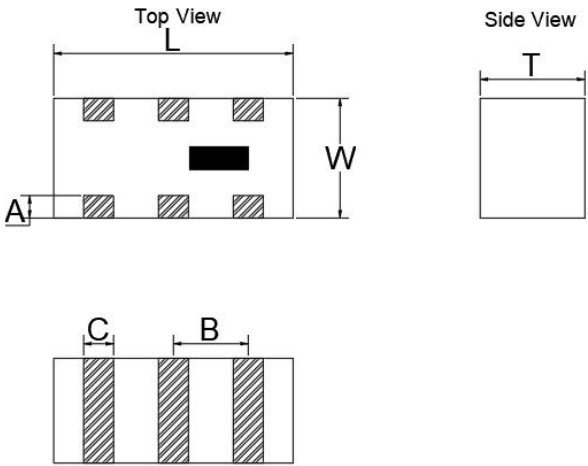
### Yantel Corporation

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

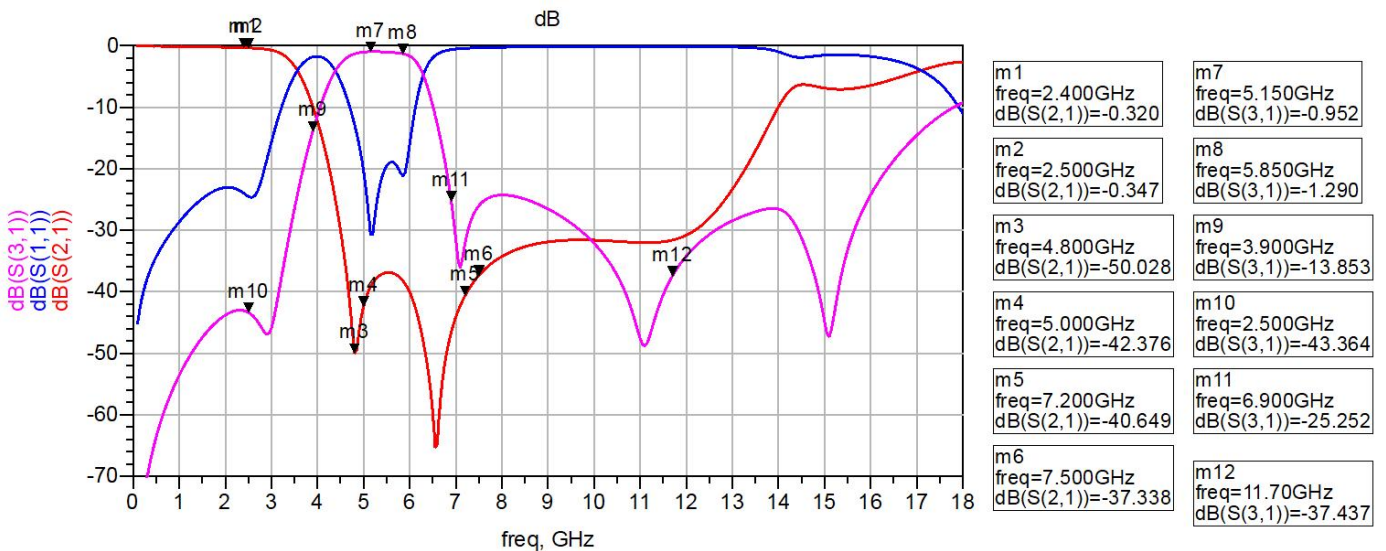
Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

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	1.6 ± 0.10
	W	0.8 ± 0.10
	T	0.6 ± 0.10
	A	0.2 ± 0.10
	B	0.5 ± 0.10
	C	0.25 ± 0.10

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



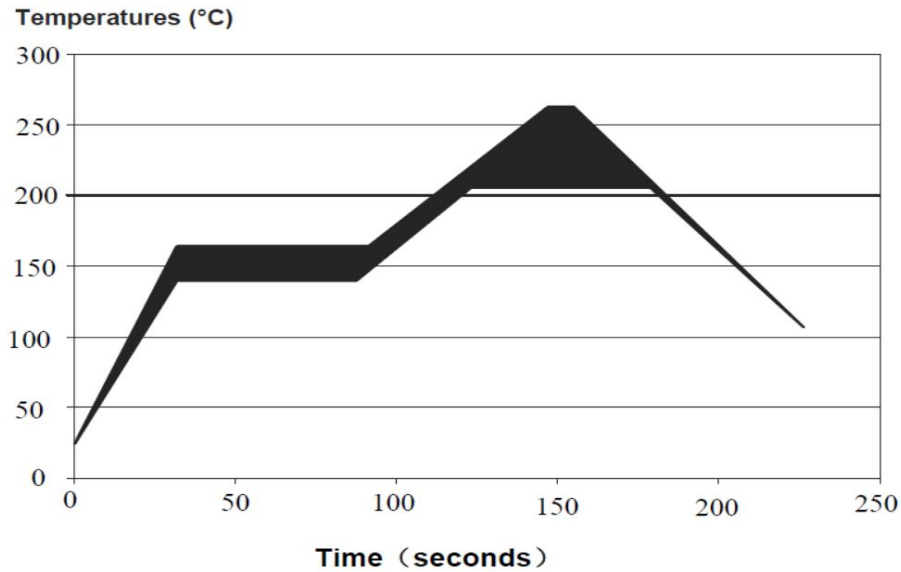
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## Solder Reflow Standard Conditioning



## 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.