

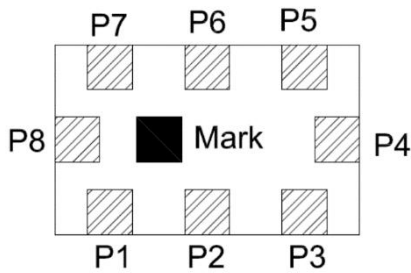
### Features

- 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

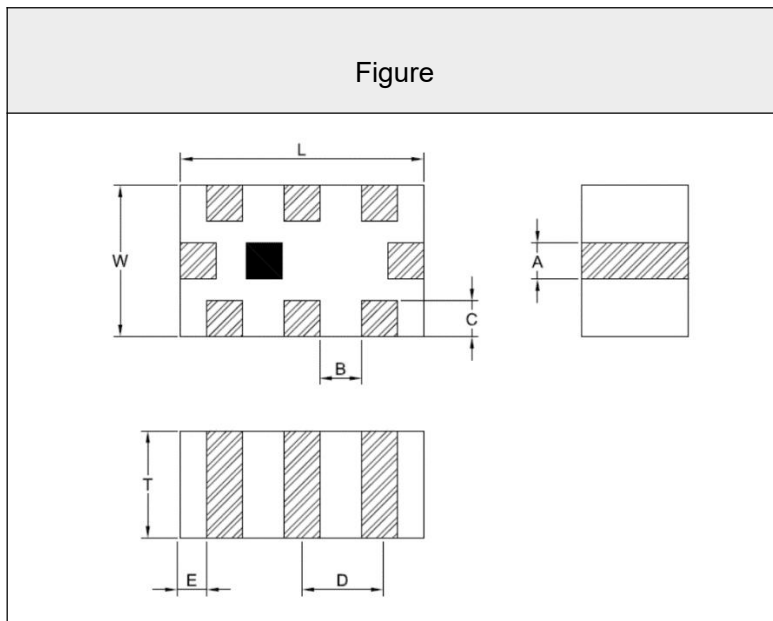
NO.	Specification				
1	Frequency range (MHz)	1560~1610	2400~2500	4900~5950	
2	Insertion Loss (dB) @25°C	0.6	0.7	0.8	
3	Insertion Loss (dB) @ -40 ~ +85 °C	0.75	0.85	0.95	
4	VSWR	2.0 max.	2.0 max.	2.0 max.	
5	Impedance (Ω)	50-	50	50	
6	Attenuation (dB)	860~960MHz	-	-	24 min.
		1540~1605 MHz	-	-	24 min.
		1710~1990 MHz	-	-	25 min.
		2170 MHz	-	-	30 min.
		2400~2500 MHz	14 min.	-	-
		3600~3750 MHz	-	10 min.	-
		4800~5000 MHz	15 min.	20 min.	-
		5000~6000MHz	15 min.	-	-
		7200~7500 MHz	-	10 min.	-
		8100~8800 MHz	-	-	10 min.
		8820~9600MHz	-	-	15 min.
		9600~9800 MHz	-	10 min.	15 min.
		9800~10000 MHz	-	10 min.	25 min.
10000~11800 MHz	-	-	25 min.		
7	Isolation (dB)	1560~1610 MHz	-	10 min.	10 min.
		2400~2500 MHz	10 min.	-	10 min.
		4900~5950 MHz	10 min.	10 min.	-
<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

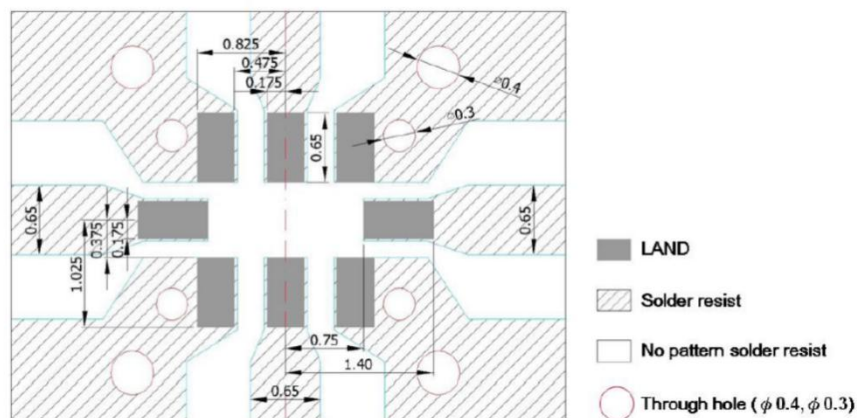


PIN	Connection	PIN	Connection
1	GND	5	GND
2	Common Port	6	High Frequency Port (5G)
3	GND	7	GND
4	Low Frequency Port (1.5G)	8	Middle Frequency Port (2.4G)

### Dimensions

Figure	Symbol	Dimension (mm)
	L	2.0±0.1
	W	1.25±0.1
	T	0.95 max.
	A	0.3±0.1
	B	0.35±0.1
	C	0.30 ± 0.15
	D	0.65±0.05
	E	0.2±0.1

### Recommended PCB Layout and Land Pattern



Unit: mm

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

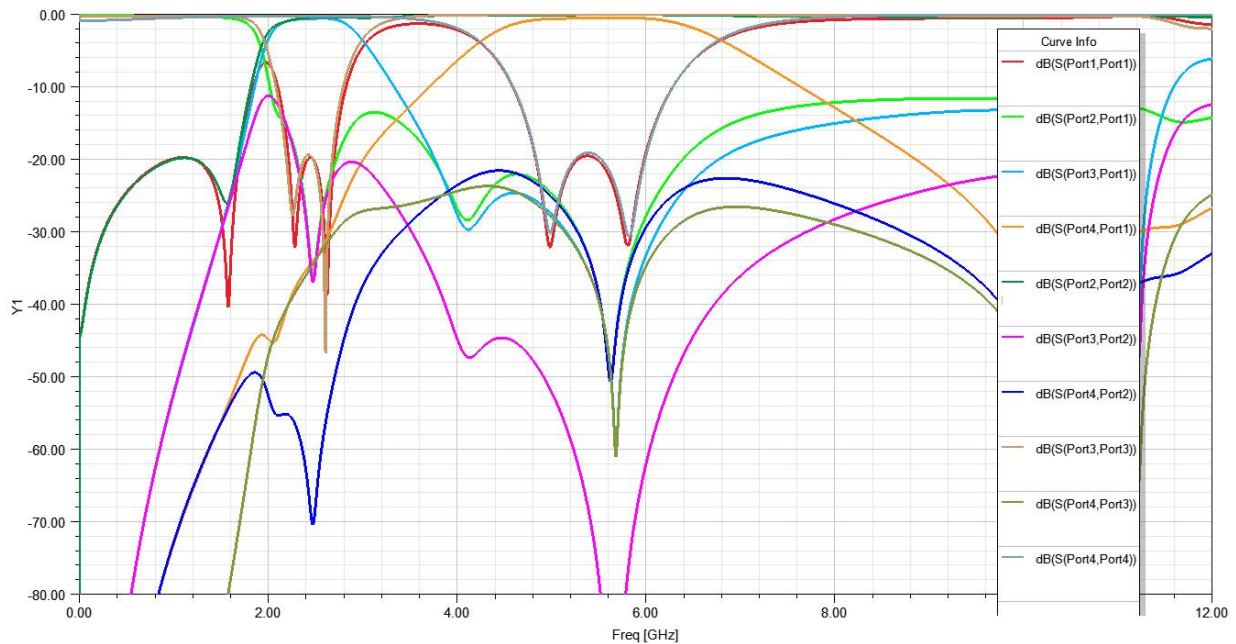
### Yantel Corporation

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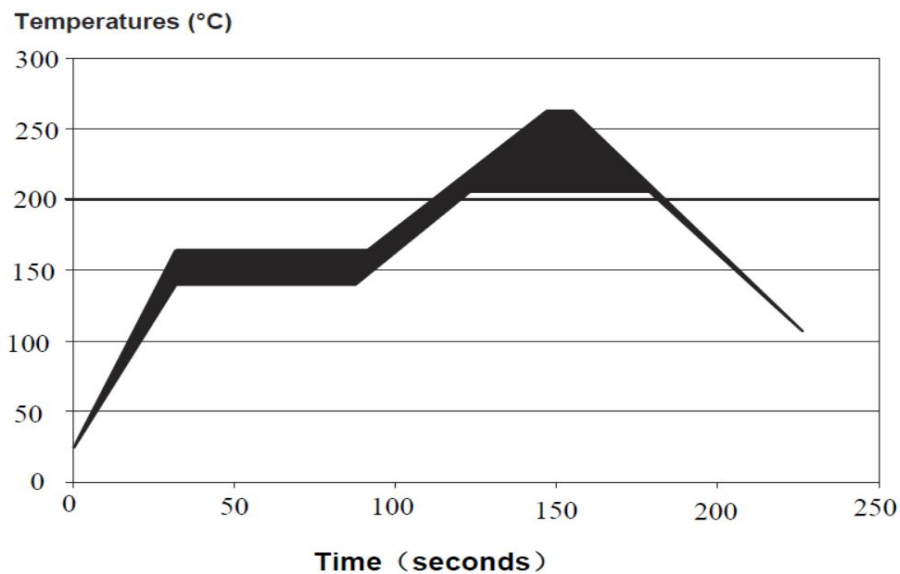
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For detailed performance specs & shopping online see Yantel web site : [www.yantel-corp.com](http://www.yantel-corp.com)

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



### 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.

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