

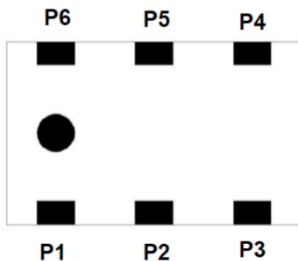
### Features

- 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.	Items	Spec	Unit
1	Frequency range	2800~6000	MHz
2	Unbalanced Impedance	50	Ohms
3	Differential Balanced Imp.	50	Ohms
4	Return Loss at Unbalanced Port	9.5 min.	dB
5	Insertion Loss	1.5 max.	dB
6	Amplitude Difference	1.8 max.	dB
7	Phase Difference	180 ± 12	deg
8	CMRR	15 min.	dB
9	Power Capacity (CW)	3 max.	W
<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



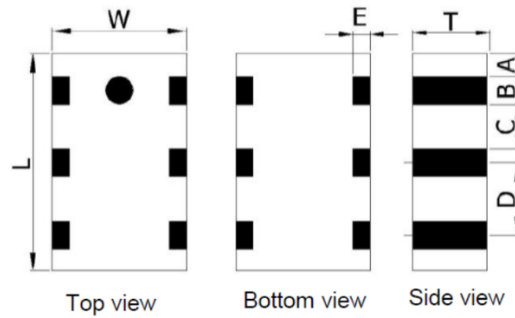
P1	Unbalance Port	P4	Balance Port
P2	GND or DC feed + RF GND	P5	GND
P3	Balance Port	P6	NC

### 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)

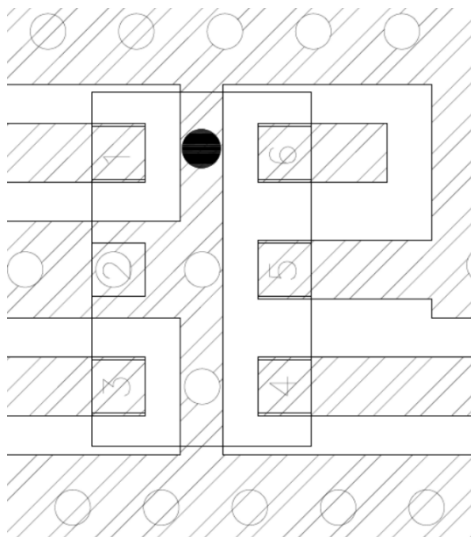
### Dimensions



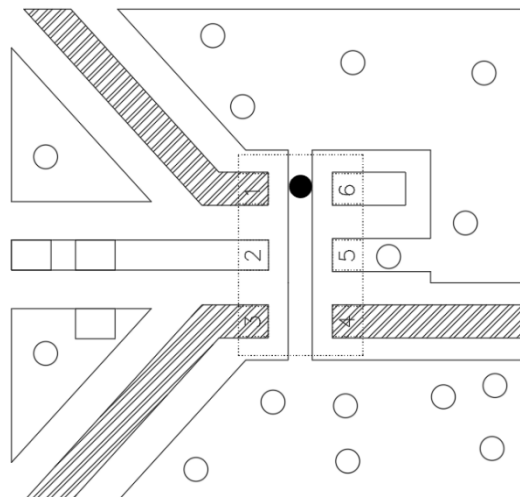
Symbol	L	W	T	A	B	C	D	E
Dimension (mm)	$2.0 \pm 0.15$	$1.25 \pm 0.15$	$0.95 \pm 0.15$	$0.20 \pm 0.1$	$0.30 \pm 0.1$	$0.35 \pm 0.1$	$0.65 \pm 0.1$	$0.25 \pm 0.1$

### Mounting Considerations

Without DC Feed

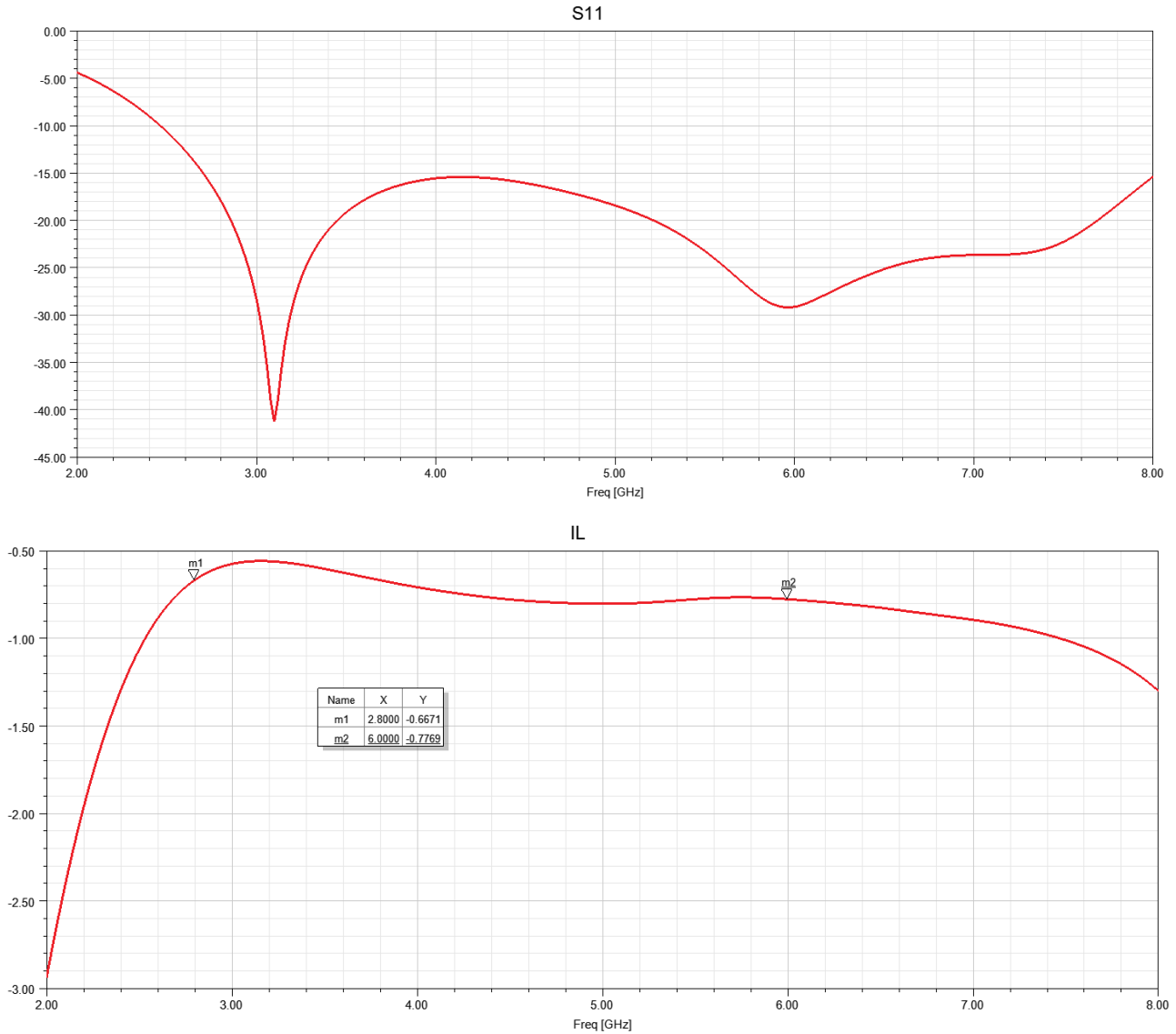


With DC Feed

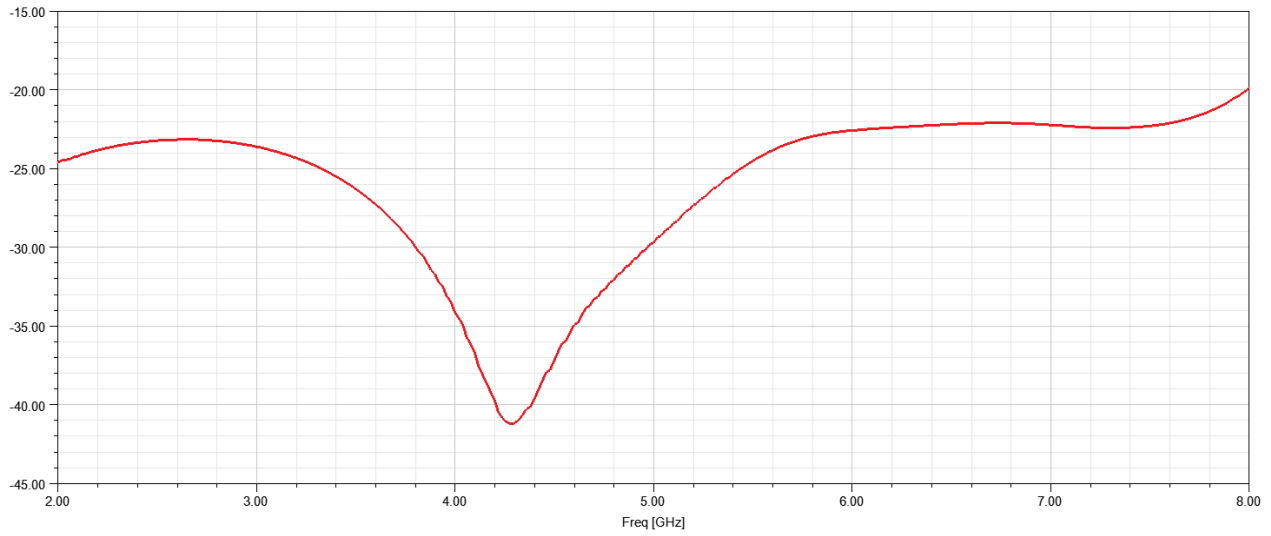


Line width to be design to match 50W characteristic impedance, depending on PCB material and thickness

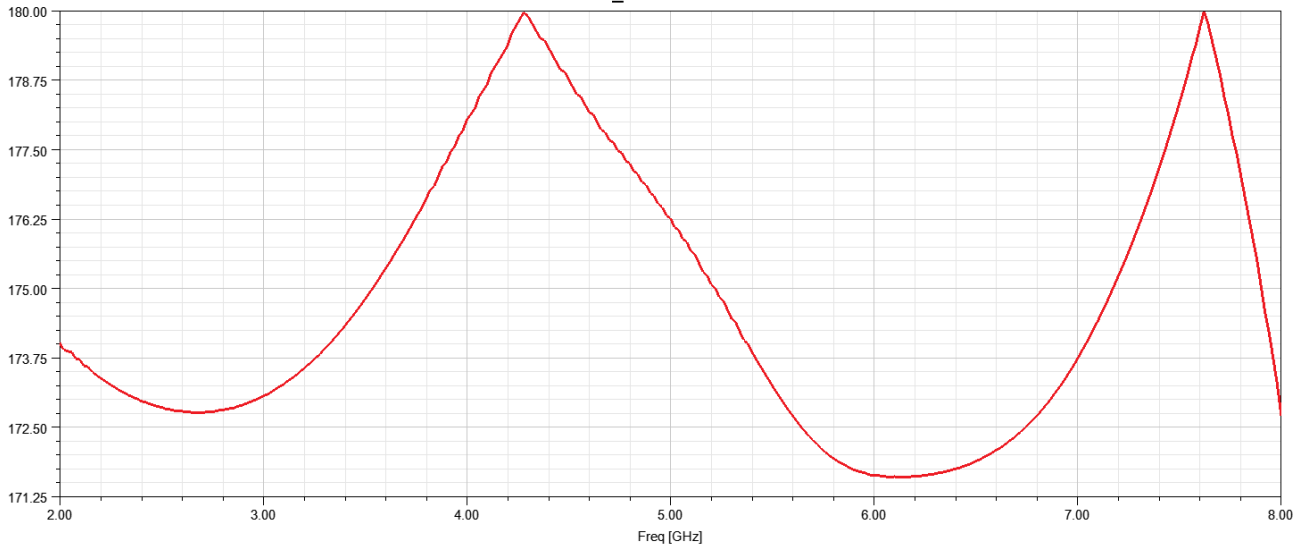
### Typical Electrical Characteristics (T=25°C)



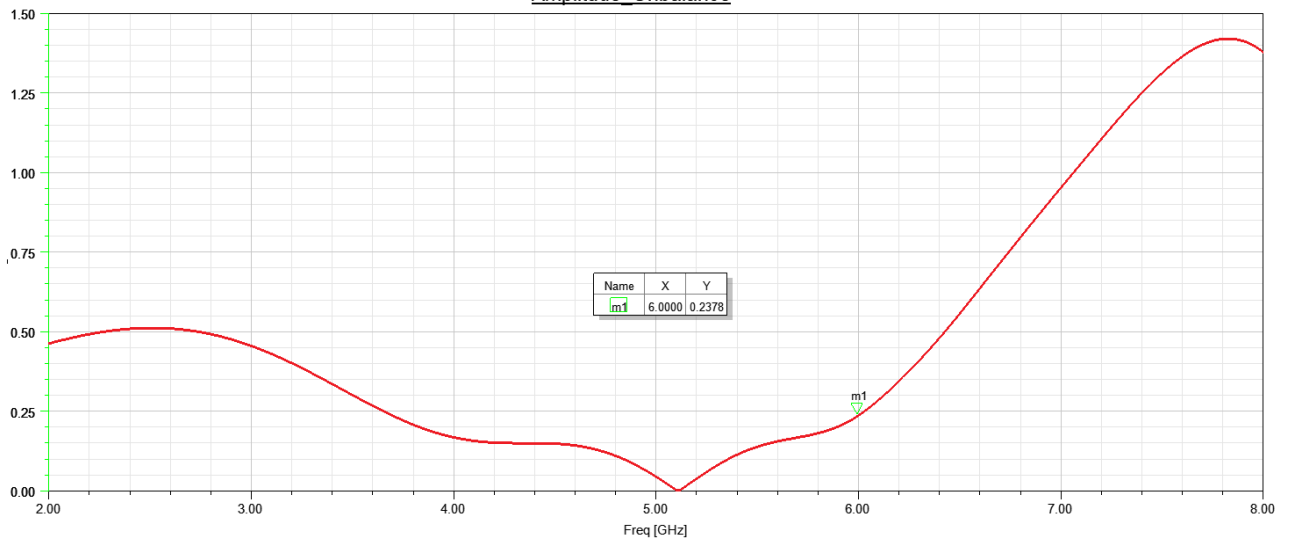
CMRR



Phase\_Unbalance



Amplitude\_Unbalance



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