

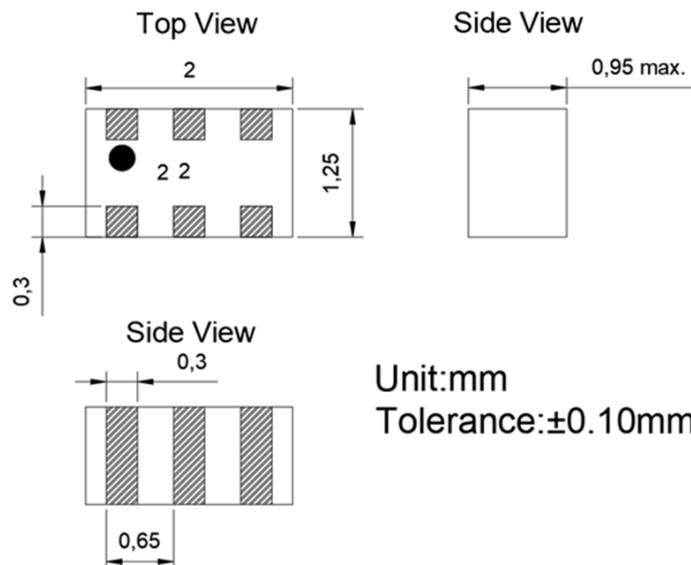
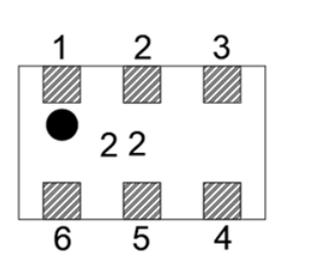
Features

- 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
- Isolation resistor, external 100 ohms

Specifications

NO.	Items	Spec	Typ.	Unit
1	Frequency range	140~300	140~300	MHz
2	Insertion Loss, above 3.0 dB	0.8 max.	0.54	dB
3	Isolation.	10 min.	11.6	dB
4	Phase Unbalance	3 max.	1	°
5	Amplitude Unbalance	0.3 max.	0.1	dB
6	Return Loss (Input)	10 min.	12.5	dB
7	Return Loss (Output)	10 min.	14.5	dB
Operating & Storage Condition (Component)				
Operation Temperature Range: -40°C ~ +85°C				
Storage Temperature Range: -40°C ~ +85°C				
Storage Condition before Soldering (Included packaging material)				
Storage Temperature Range: +5 ~ +40 °C				
Humidity: 30 to 70% relative humidity				

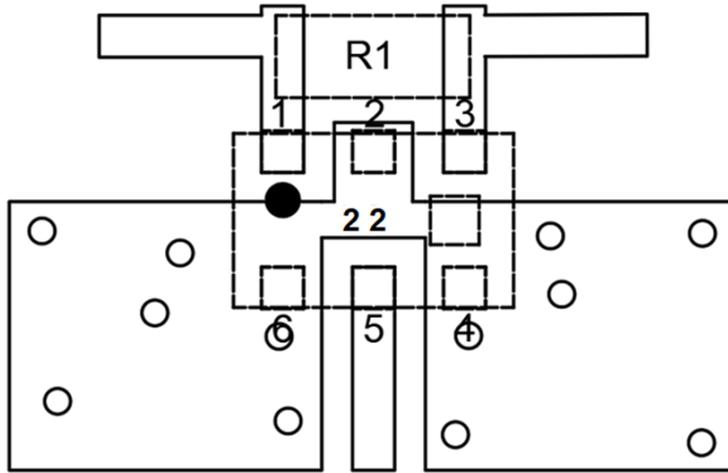
Construction & Dimensions



Unit:mm
Tolerance:±0.10mm

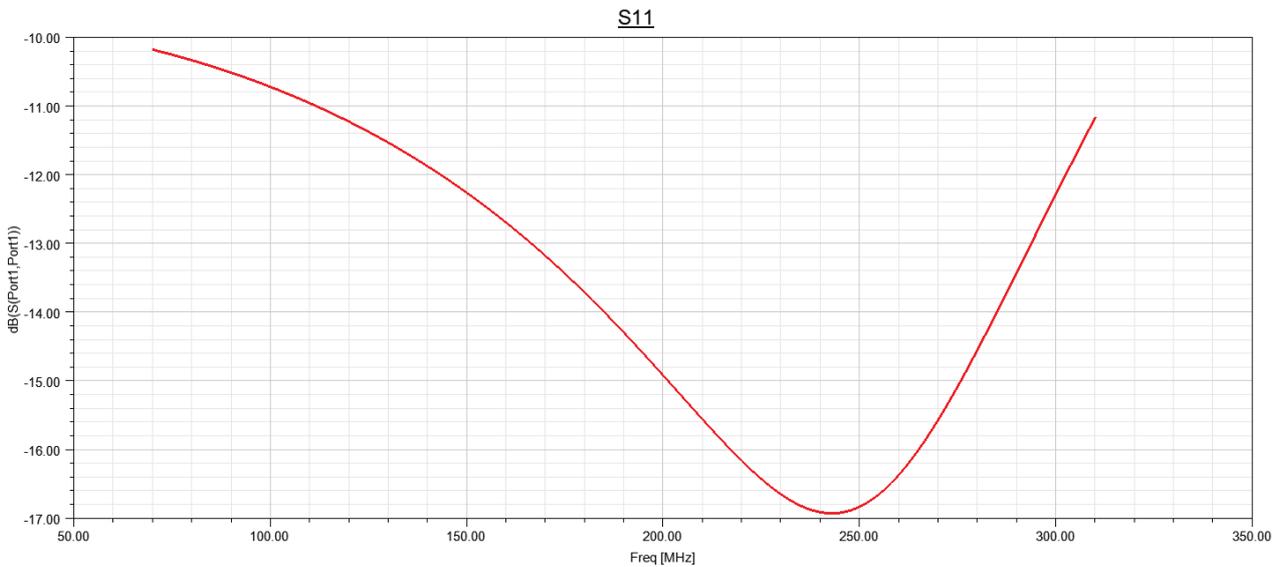
SUM PORT	5
PORT 1	1
PORT 1	3
GND	2、4、6
1-3	resistor external 100 ohms

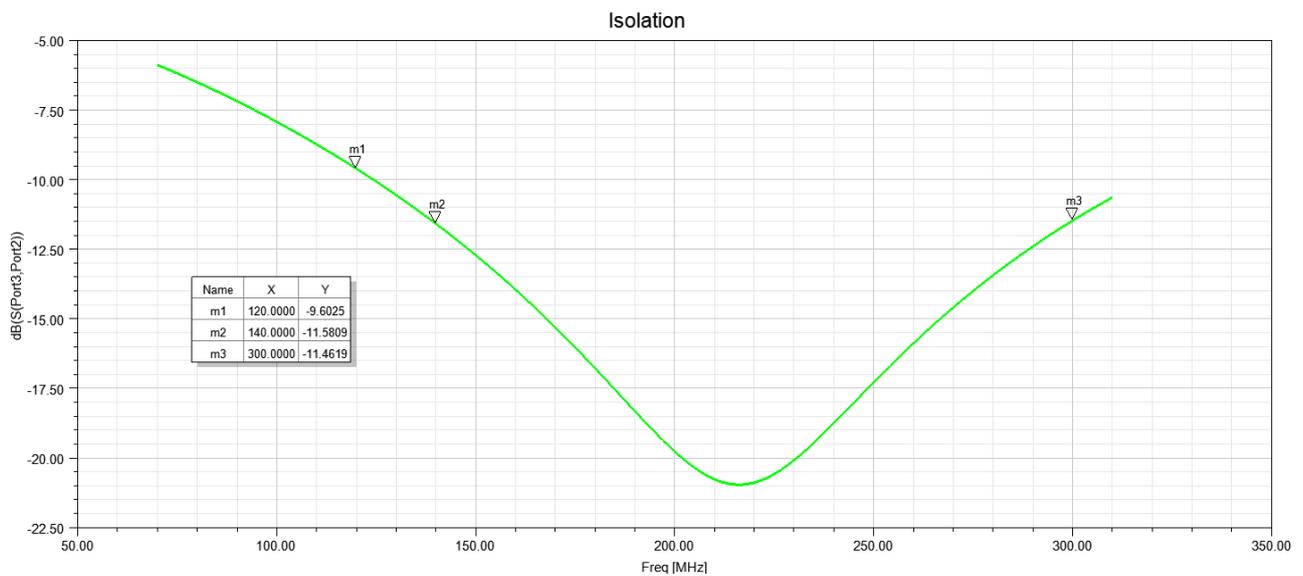
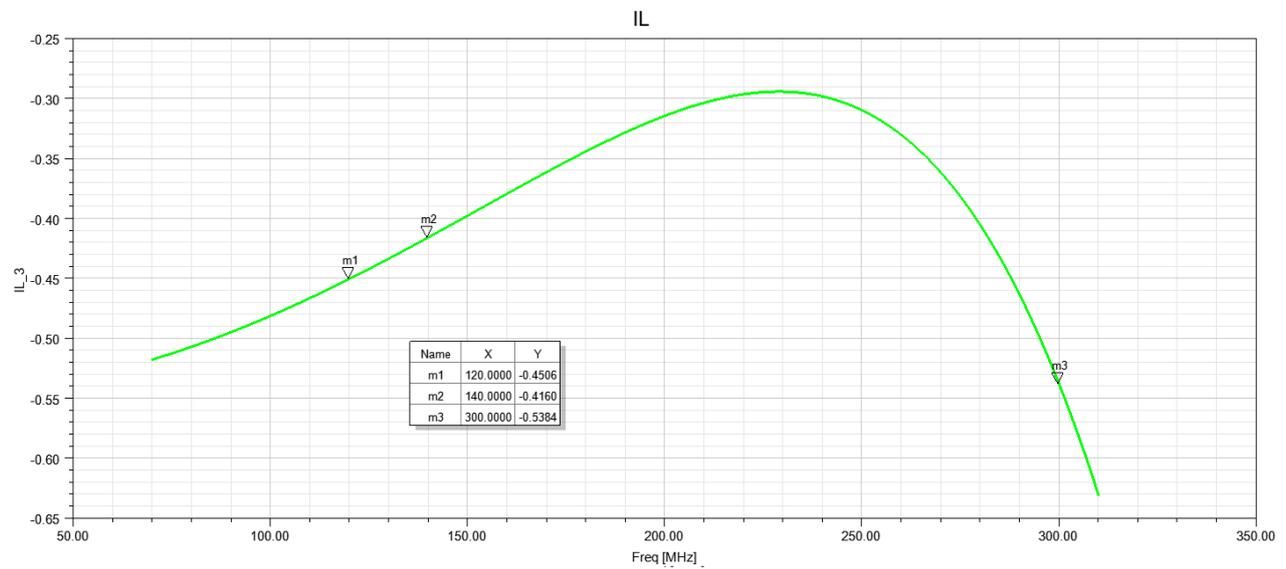
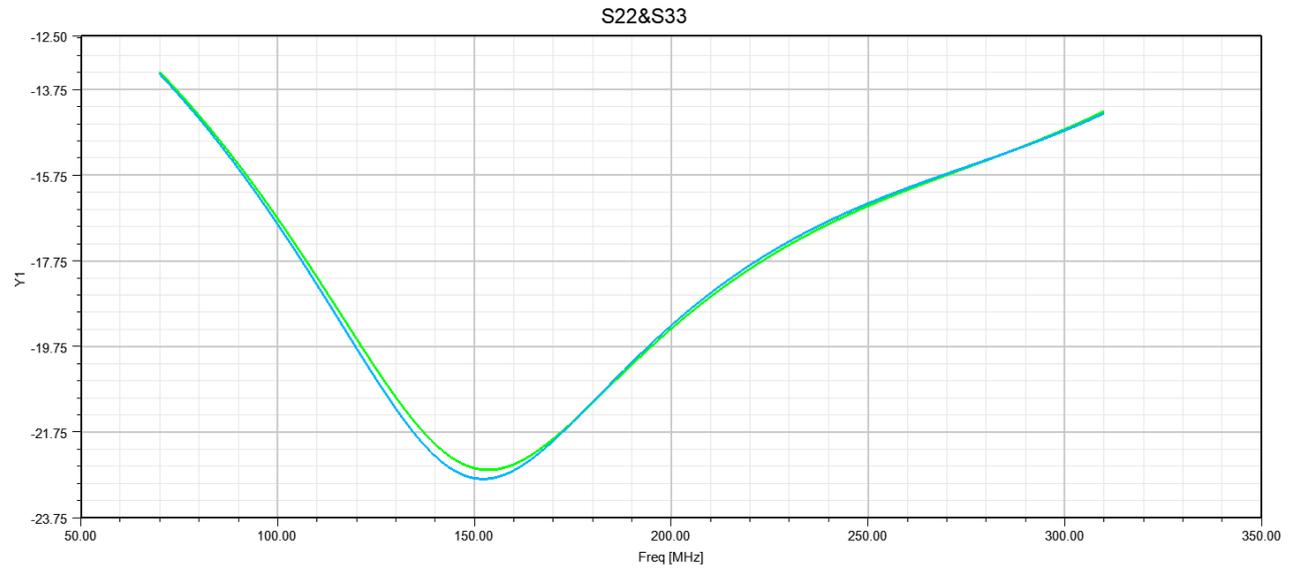
Mounting Considerations



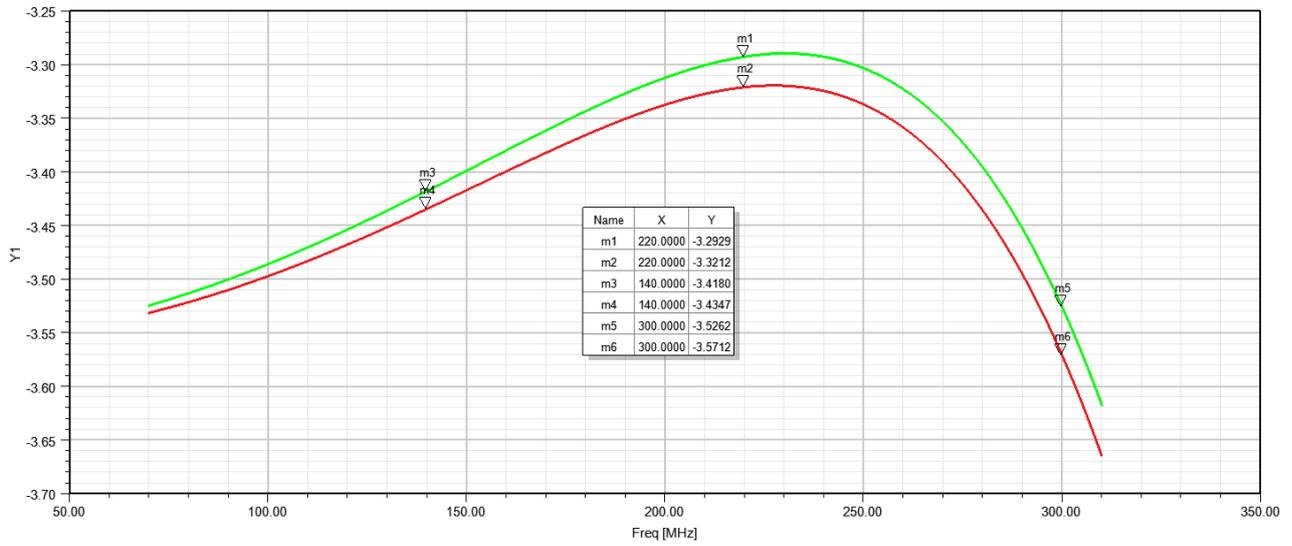
R1:100Ω,0402 Size

Typical Electrical Characteristics (T=25°C)





S21&S31



Phase21&Phase31

