

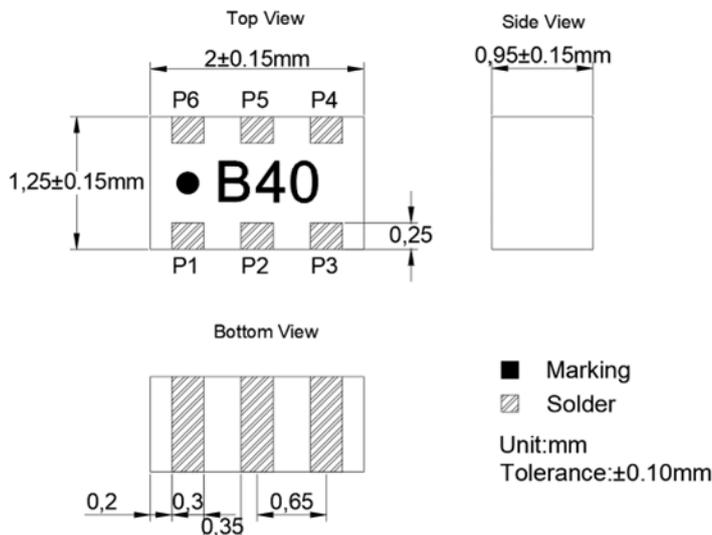
Features

- 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

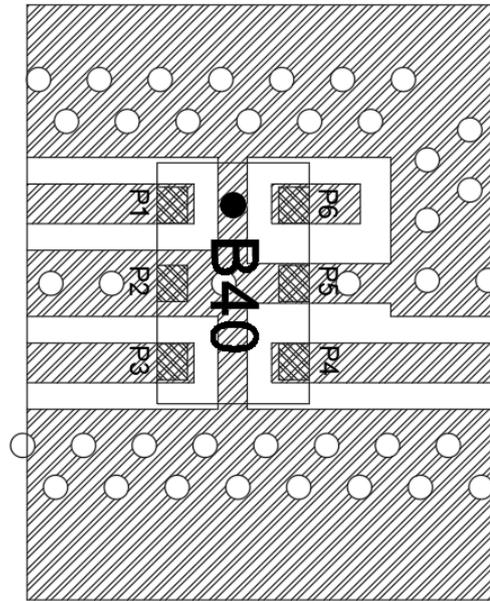
NO.	Items	Spec	Unit
1	Frequency range	300~500	MHz
2	Unbalanced Impedance	50	Ohms
3	Differential Balanced Imp.	50	Ohms
4	Return Loss at Unbalanced Port	10 min.	dB
5	Insertion Loss	0.8 max.	dB
6	Amplitude Difference	0.7 max.	dB
7	Phase Difference	300-330MHz	deg
		330-470MHz	
		470-500MHz	
8	CMRR	15 min.	dB
9	Power Capacity (CW)	3 max.	W
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



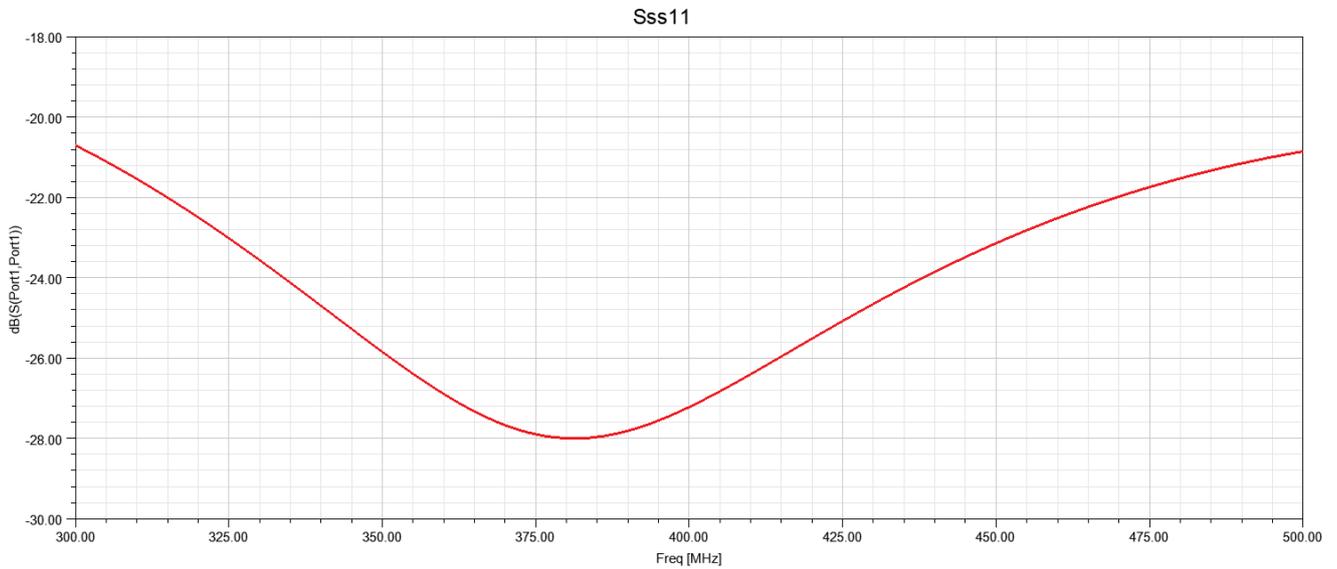
P1	Unbalance Port	P4	Balance Port
P2	GND	P5	GND
P3	Balance Port	P6	NC

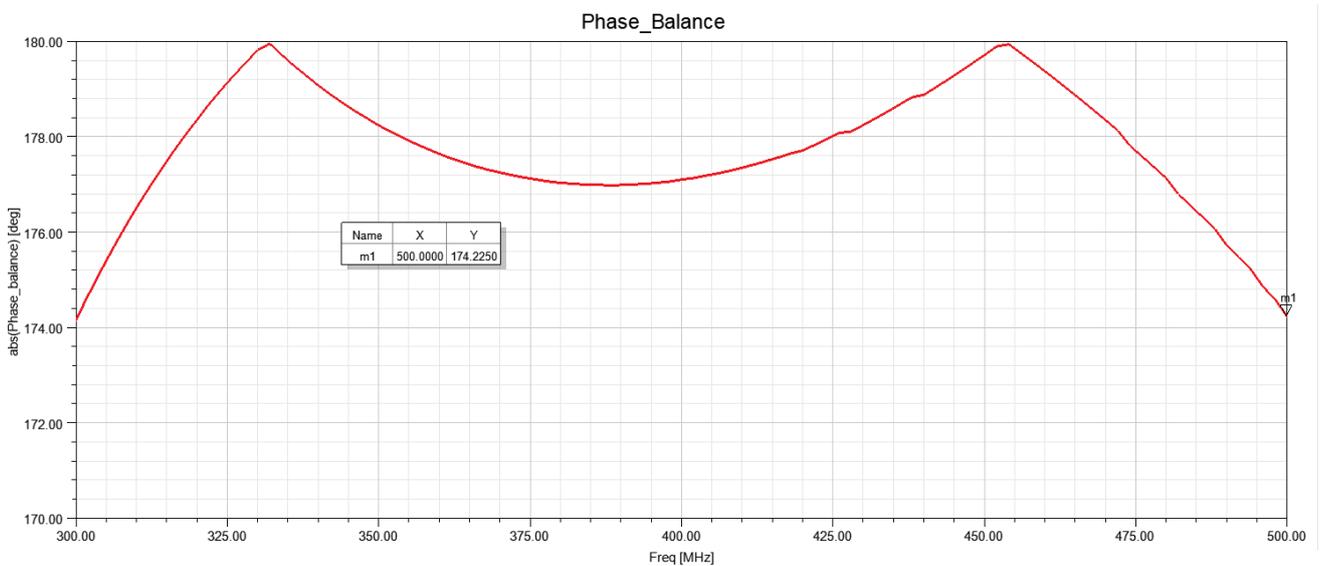
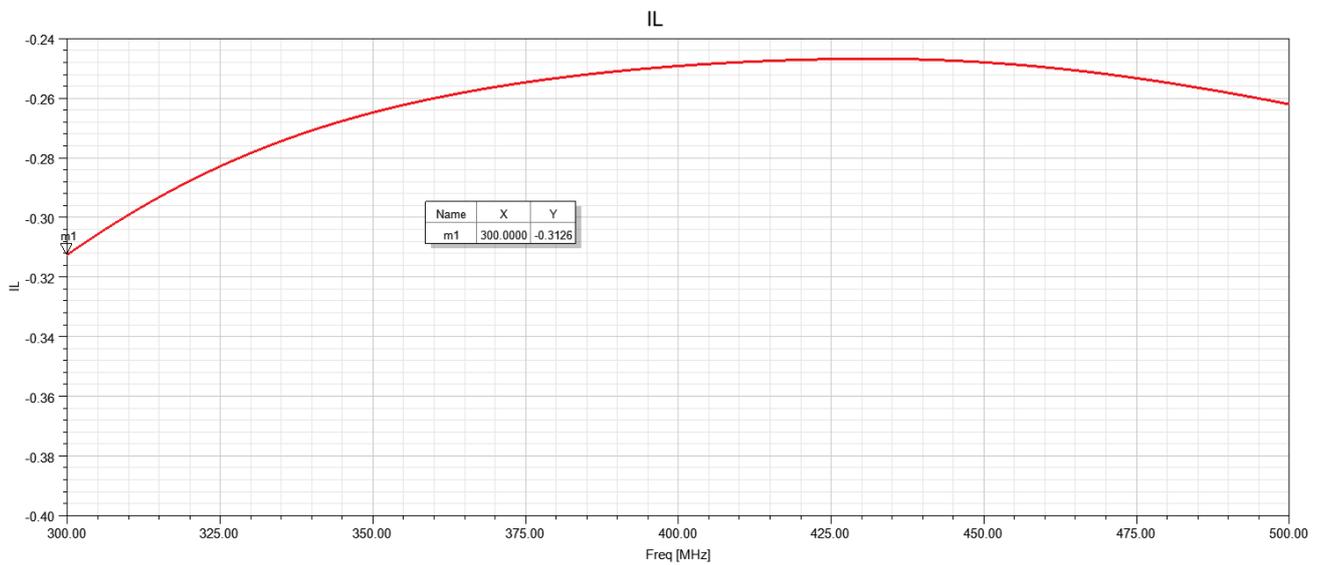
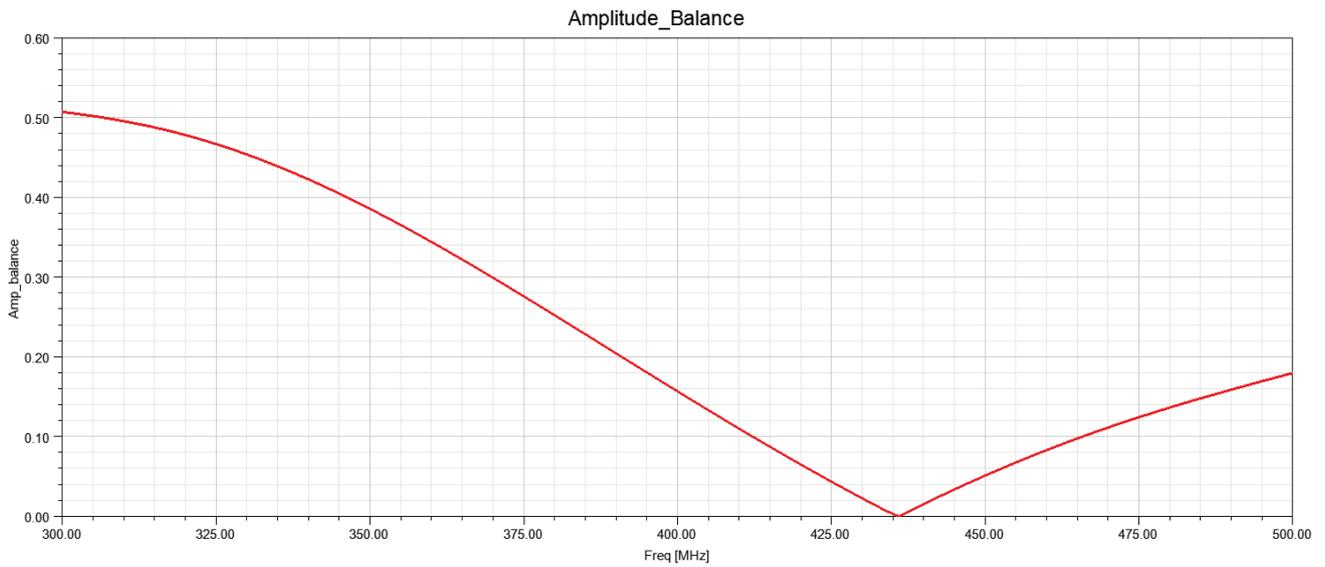
Mounting Considerations

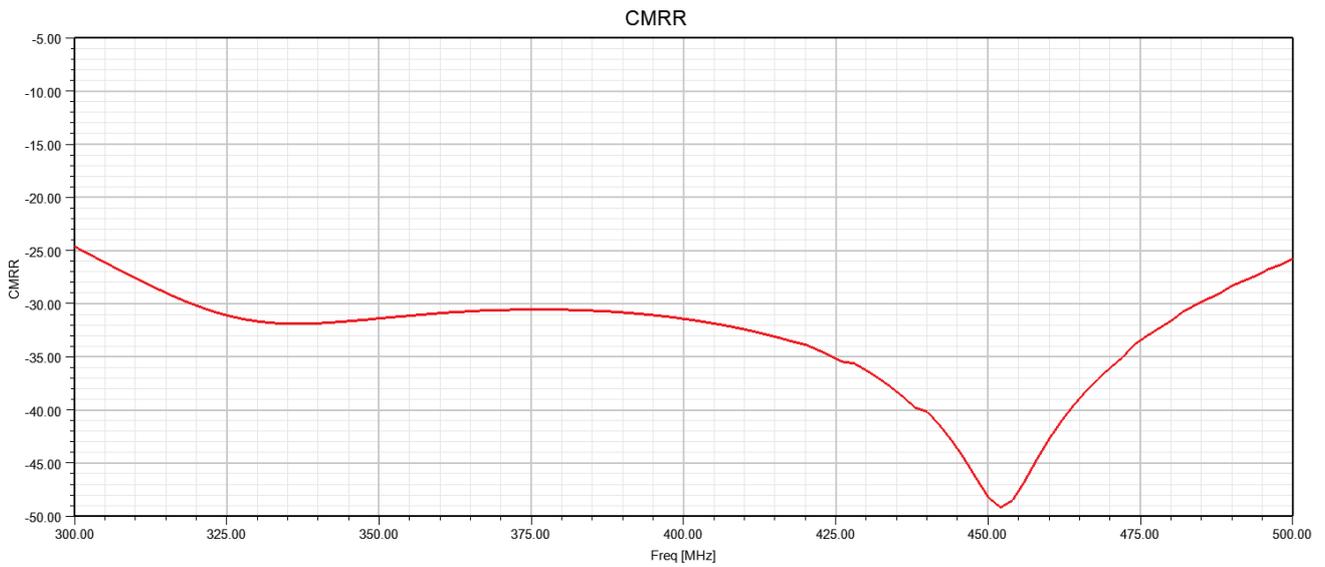


Line width to be design to match 50W characteristic impedance, depending on PCB material and thickness

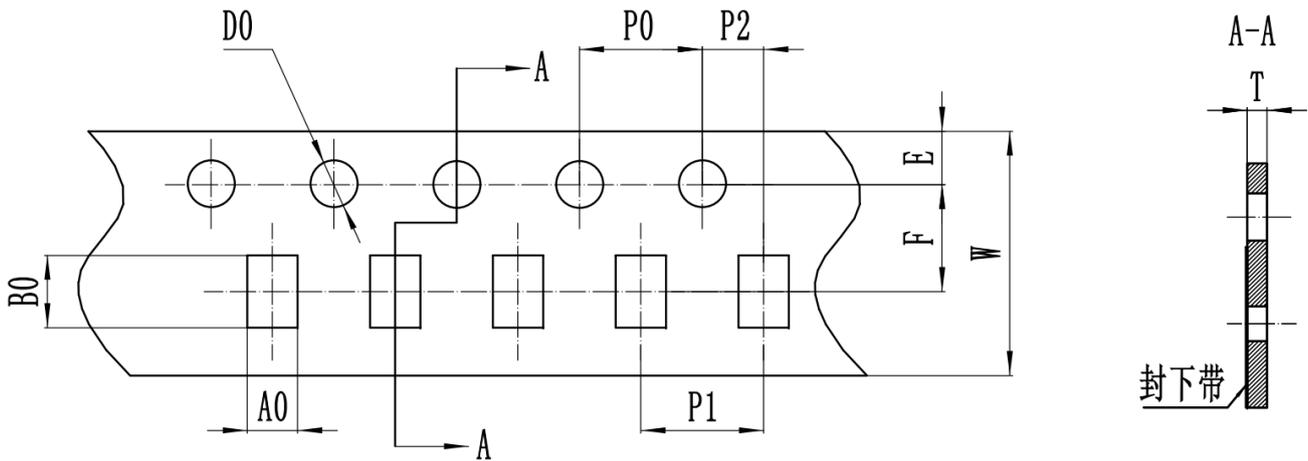
Typical Electrical Characteristics (T=25°C)







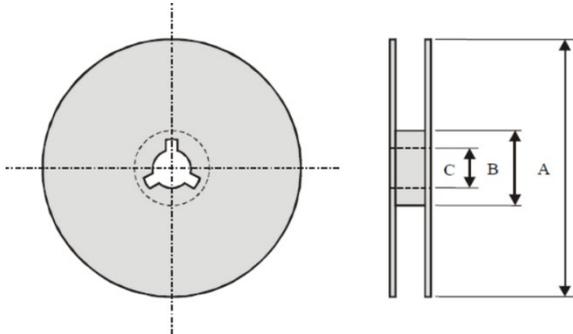
Packaging



Plastic Tape specifications (unit: mm)

Index	A0	B0	ØD	T	W	E	F	P0	P1	P2
Dimension (mm)	1.50 ± 0.05	2.25 ± 0.05	1.55 ± 0.05	1.07 ± 0.05	8.0 ± 0.1	1.75 ± 0.1	3.50 ± 0.05	4.0 ± 0.1	4.0 ± 0.1	2.00 ± 0.05

Reel dimensions



Index	A	B	C
Dimension (mm)	Ø177.8	Ø56.8	Ø11.1

Taping Quantity:4000 pieces per 7" reel