

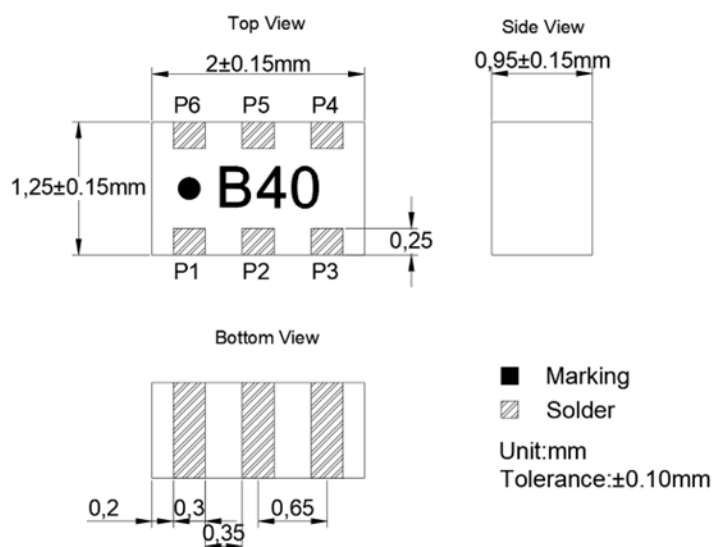
Features

- 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	180 ± 10	deg
8	CMRR	15 min.	dB
9	Power Capacity (CW)	3 max.	W
Operating & Storage Condition (Component) Operation Temperature Range: -40℃ ~ +85℃ Storage Temperature Range: -40℃ ~ +85℃			
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

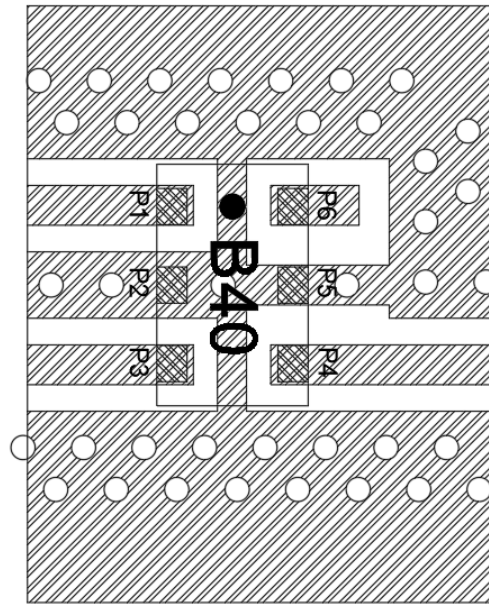
Yantel Corporation

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

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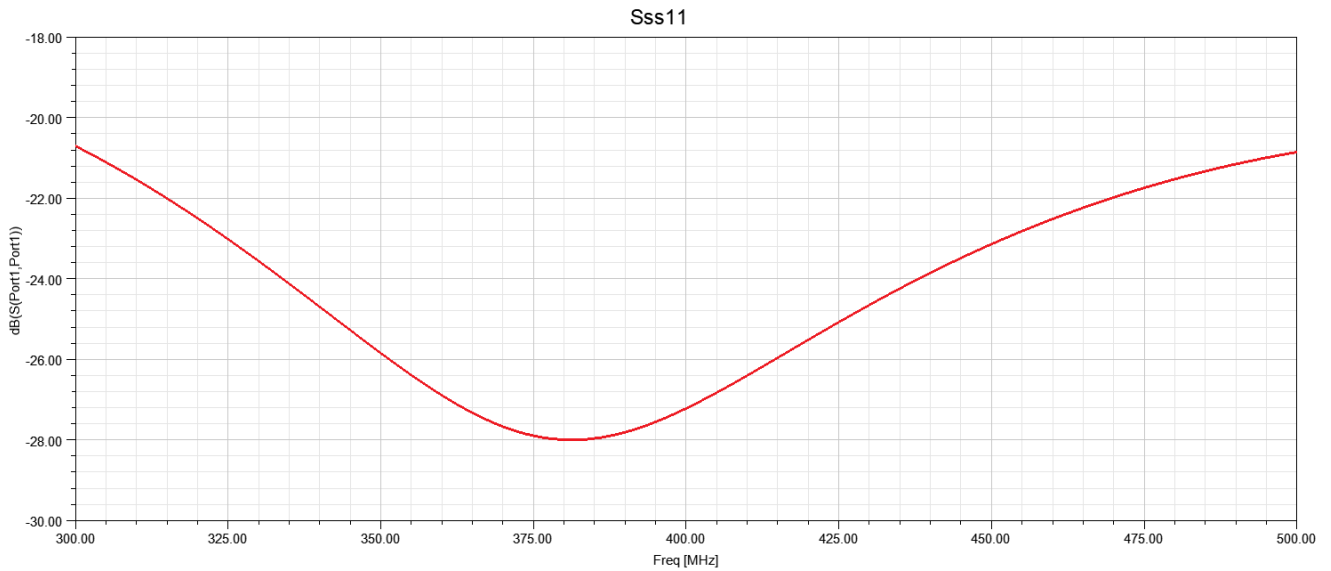
For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

Mounting Considerations



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

Typical Electrical Characteristics (T=25°C)

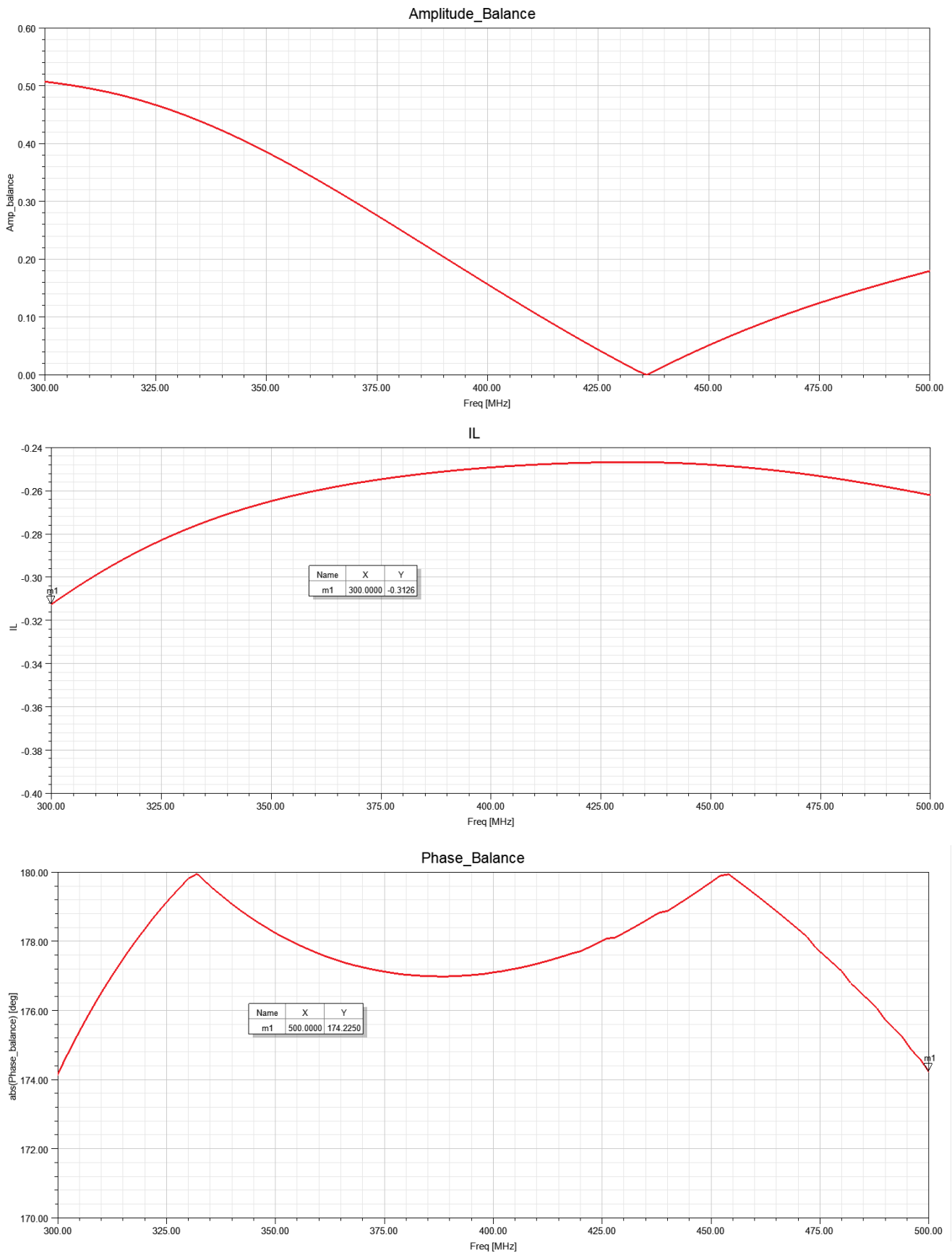


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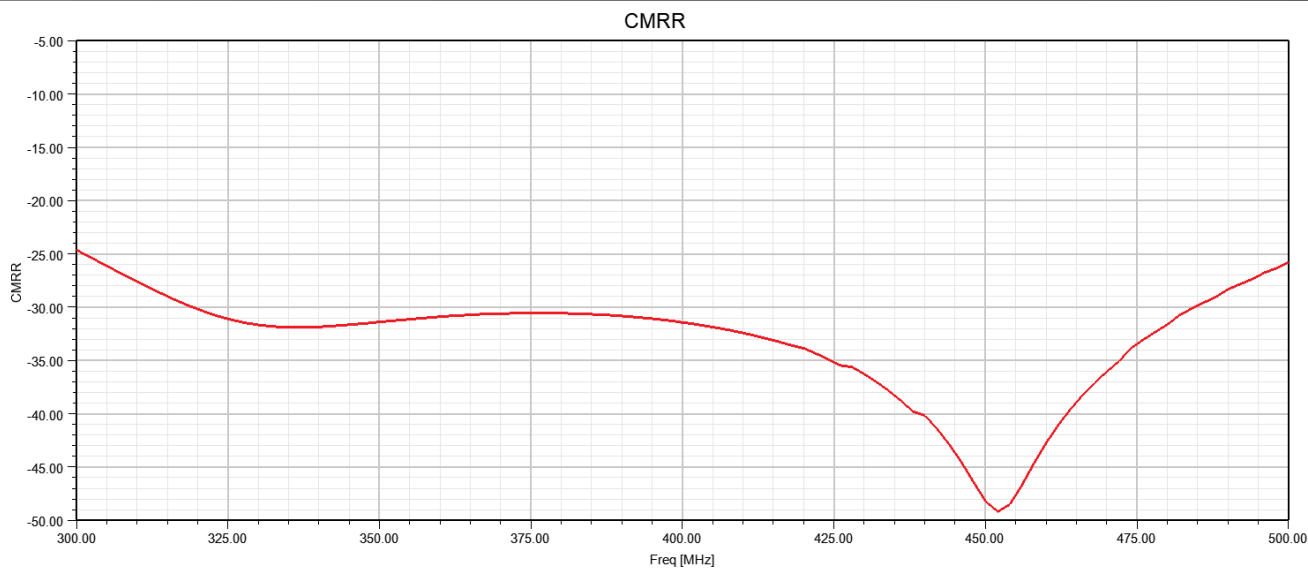


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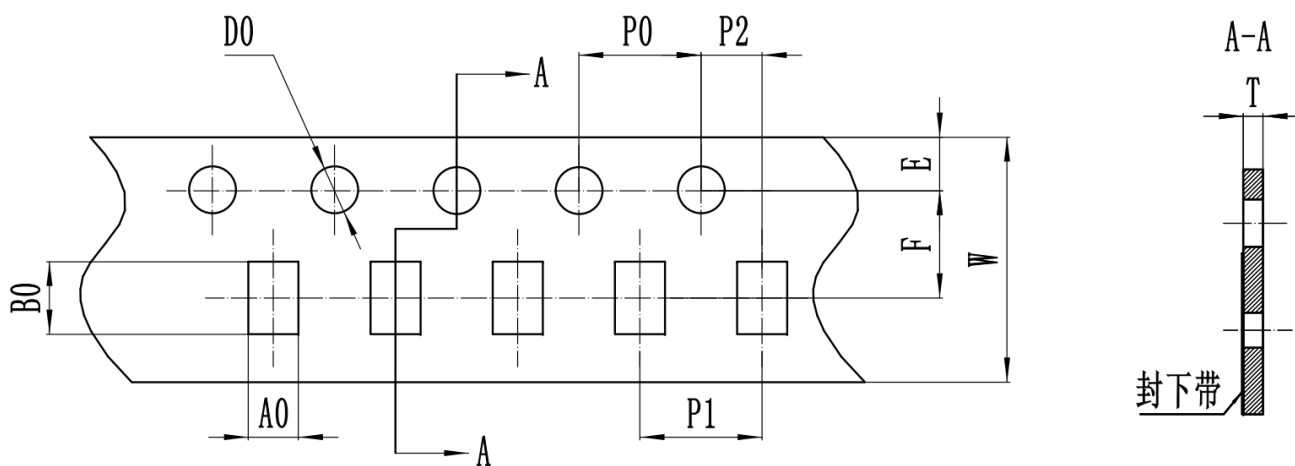
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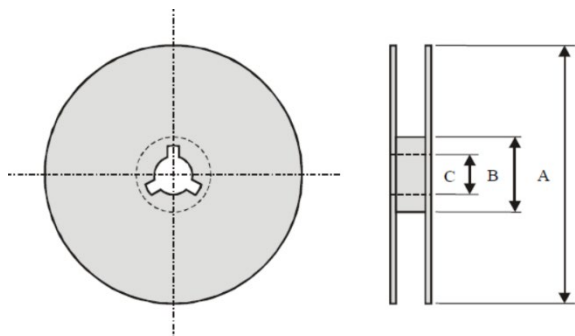
Packaging



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