Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Type BMB-R Series

Key Features

High Impedance at lower frequency

Prevents Signal ringing

Wide Frequency Characteristics

Suited to a variety of applications

Terminal finish matte Sn over Cu/Ni underplate

The BMB R Series has been designed for low speed applications and specifically for use in Digital Sound circuitry and similar to prevent ringing. These chip device have been designed to generate high impedances at low frequencies.

The R series is offered in three sizes 0603, 0805 and 1206

Electrical Performance

Part Number	Impedance (Ω) at 100MHz	DC Resistance (Ω) maximum	Rated Current (mA) maximum
BMB-1J-0080R-S2	80 ±25%	0.3	200
BMB-1J-0120R-S2	120 ±25%	0.4	
BMB-1J-0240R-S2	240 ±25%		
BMB-1J-0300R-S2	300 ±25%	0.5	
BMB-1J-0600R-S2	600 ±25%	0.4	500
BMB-1J-1000R-S2	1000 ±25%	0.8	200
BMB-2A-0080R-S2	80 ±25%	0.2	300
BMB-2A-0120R-S2	120 ±25%	0.3	
BMB-2A-0240R-S2	240 ±25%	0.4	200
BMB-2A-0300R-S2	300 ±25%	0.5	
BMB-2A-0430R-S2	430 ±25%		
BMB-2A-0600R-S2	600 ±25%		
BMB-2A-1000R-S2	1000 ±25%		

Electrical Performance (continued)

Part Number	Impedance (Ω) at 100MHz * 50MHz * 30MHz	DC Resistance (Ω) maximum	Rated Current (mA) maximum
BMB-2B-0026R-S2	26 ±25%	0.2	400
BMB-2B-0070R-S2	70 ±25%	0.3	300
BMB-2B-0600R-S2	600 ±25%	0.9	200

Operating temperature range - -55 ~ +125°C

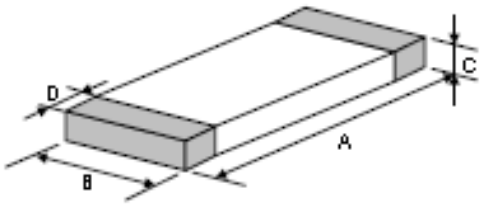
Temperature should be less than 25°C when rated current is applied.

Storage:

Temperature Range: -40 ~ +85°C

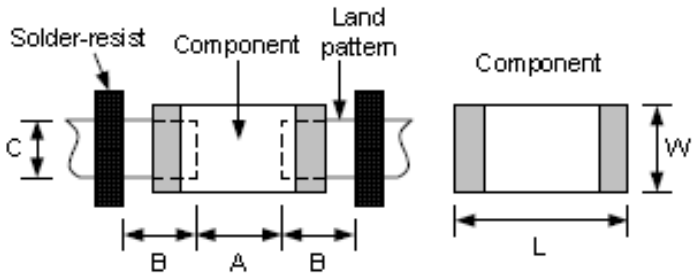
Humidity: Less than 75% RH

Product Dimensions



Size	A (mm)	B (mm)	C (mm)	D (mm)
0603	1.6 ±0.15	0.8 ±0.15	0.8 ±0.15	0.3 ±0.20
0805	2.0 ±0.20	1.2 ±0.20	0.9 ±0.20	0.5 ±0.30
1206	3.2 ±0.20	1.6 ±0.20	1.1 ±0.20	0.5 ±0.30

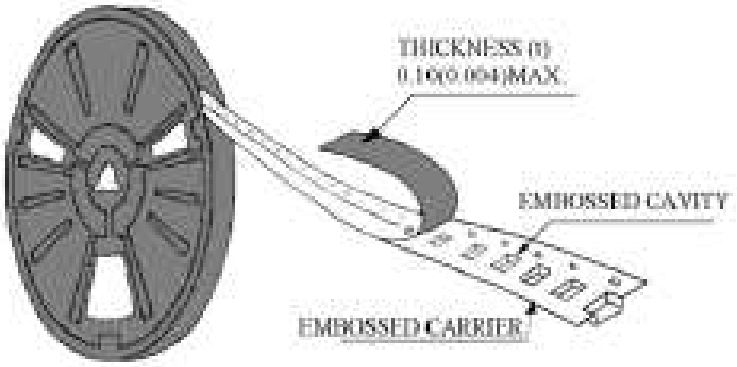
Recommended PCB Layout

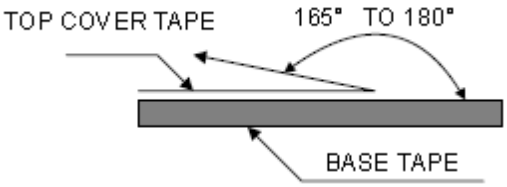


Size		0603	0805	1206
Component	L	1.6	2.0	3.2
	W	0.8	1.2	1.6
A		0.6 ~ 0.8	0.8 ~ 1.2	1.8 ~ 2.2
B		0.6 ~ 0.8	0.8 ~ 1.2	1.1 ~ 2.2
C		0.6 ~ 0.8	0.9 ~ 1.6	0.9 ~ 1.6

Packaging

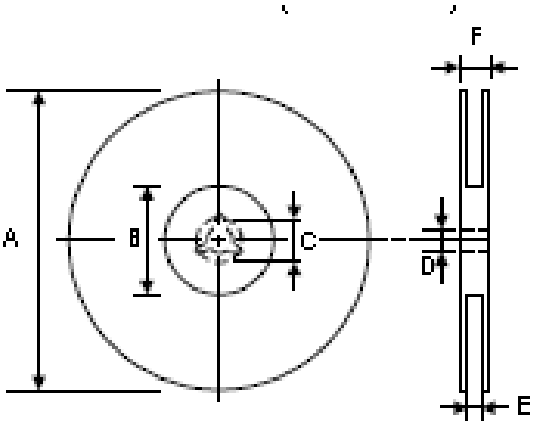
Peel off force:



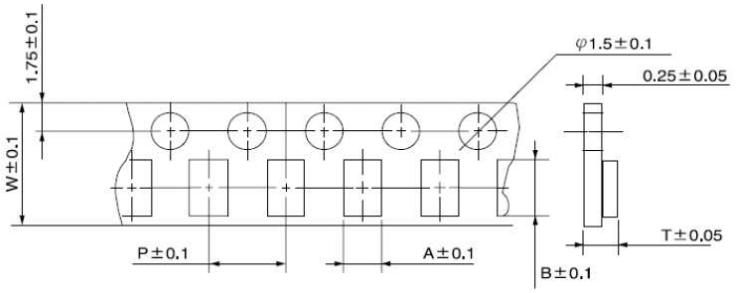


The force for peeling off cover tape is 10 grams in the direction shown

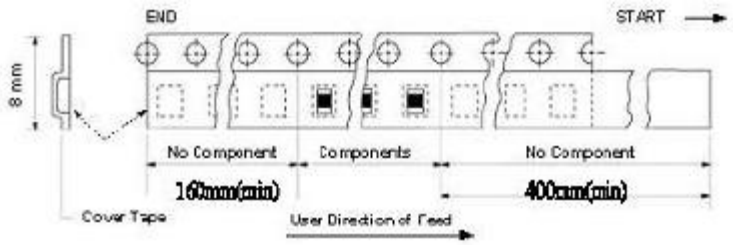
Dimensions (mm)



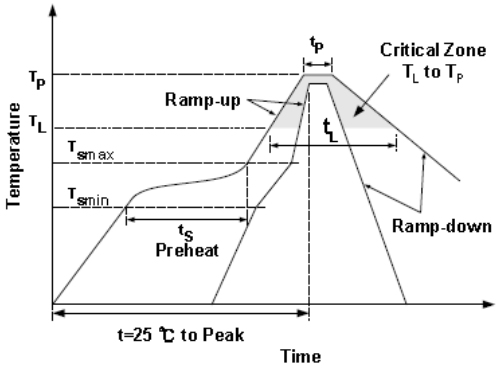
A	B	C	D	E	F
178 ±1	60 +0.5 -0.1	--	13 ±0.2	9 ±0.5	12 ±0.5



Size	A	B	W	P	T	Chips / Reel
0603	1.1	1.9	8	4	1.1	4000
0805	1.5	2.3	8	4	1.3	4000
1206	1.9	3.5	8	4	1.5	3000



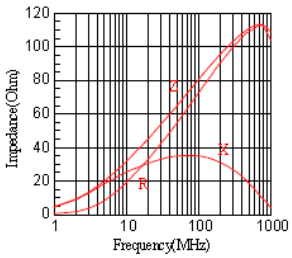
Recommended Reflow Solder Profile



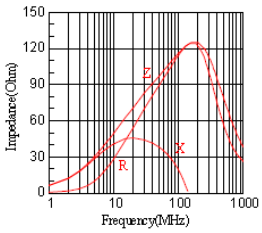
Profile Feature		Pb Free
Preheat	ts	60 ~ 180 seconds
	Tsmin	150°C
	Tsmax	200°C
Average Ramp up rate (Tsmax to Tp)		3°C/second max.
Time main above	Temperature (TL)	217°C
	Time (tL)	60 ~ 150 seconds
Peak Temperature (Tp)		250 ~ 260°C
Time within 5°C of actual peak temperature ((tp)		10 seconds
Ramp down rate		6°C/second max.
Time 25°C to peak temperature		8 minutes max.

Typical Characteristic Curves (T=25°C)

BMB-1J-0080R-S2



BMB-1J-0120R-S2



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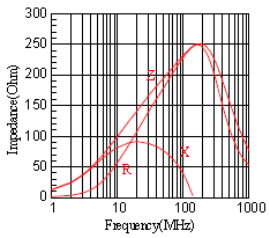

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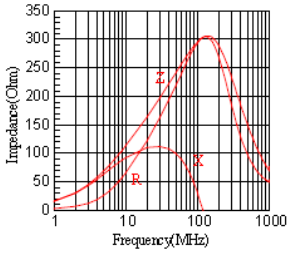

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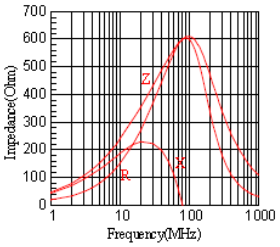
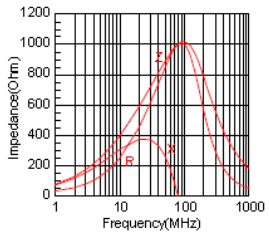


BMB-1J-1000R-S2



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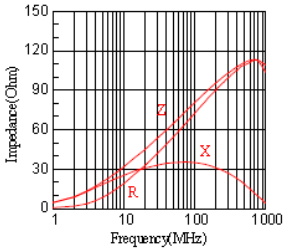

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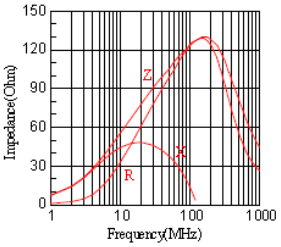

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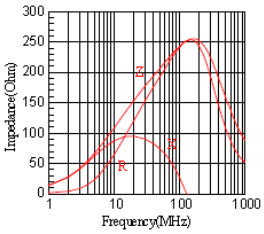

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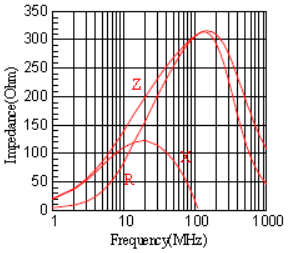

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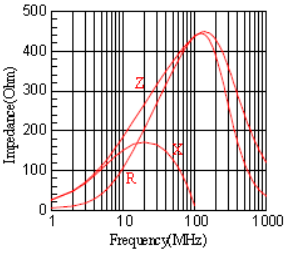

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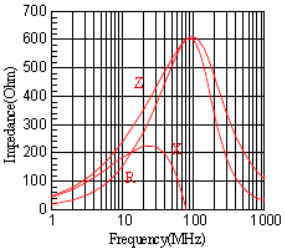

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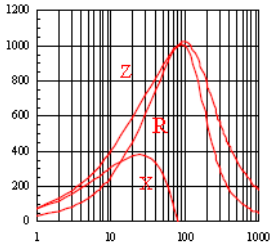

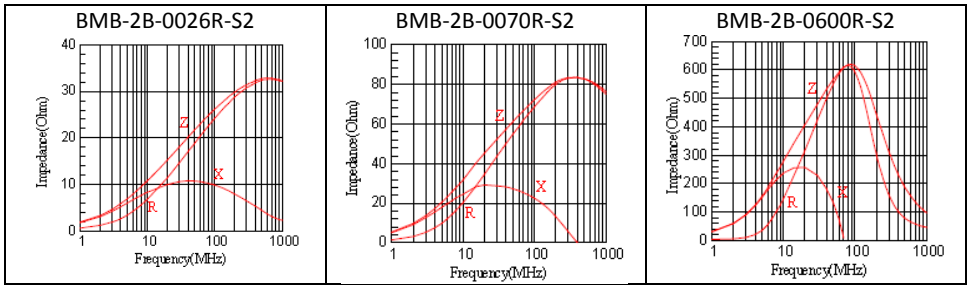
BMB-2B-0026R-S2
Impedance(Ohm)
Frequency(MHz)
Z
X
R
BMB-2B-0070R-S2
Impedance(Ohm)
Frequency(MHz)
Z
X
R
BMB-2B-0600R-S2
Impedance(Ohm)
Frequency(MHz)
Z
X
R