

EMC Components

Ferrite Beads

SMD

ACB Series

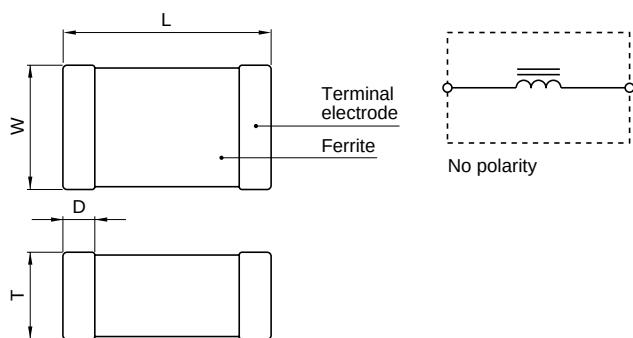
FEATURES

- The ACB series provide effective EMC suppression in signal lines through simple in-series implementation. It is thus ideal for circuits in which it is difficult to bypass high-frequency components to ground.
- Reflection components are highly suppressed through the use of a special ferrite material and an advanced internal structure that minimizes stray capacitance. This product is, therefore, an excellent

countermeasure for noise radiation in high-speed digital signal lines.

- The ultra-miniature 1.6×0.8 mm part exhibits a 600Ω impedance at 100MHz, which is the larger type 2012 and 3216 parts.
- Both the 1608 and 2012 types are available in a large number of impedance values. Different characteristics can thus be achieved without changing PC board land patterns.

SHAPES AND DIMENSIONS/CIRCUIT DIAGRAM

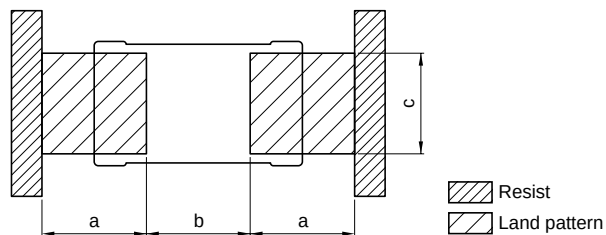


Dimensions in mm

Shape	L	W	T	D
1608	1.6 ± 0.15	$0.8 \pm 0.3, -0.1$	$0.8 \pm 0.3, -0.1$	0.3 ± 0.2
2012	2 ± 0.2	1.25 ± 0.2	0.9 ± 0.2	0.4 ± 0.2
3216	3.2 ± 0.2	1.6 ± 0.2	0.9 ± 0.2	0.5 ± 0.2

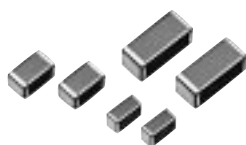
RECOMMENDED PC BOARD PATTERNS

REFLOW AND FLOW SOLDERING



Dimensions in mm

Type	a	b	c
ACB1608	1	0.6	0.8
ACB2012	1	1	1
ACB3216	1.1	2.2	1.4



ELECTRICAL CHARACTERISTICS

Part No.	Impedance (Ω) [100MHz]	DC resistance (Ω) max.	Rated current (mA) max.
ACB1608L-015-X*	$15 \pm 25\%$	0.1	500
ACB1608L-030-X	$30 \pm 25\%$	0.3	400
ACB1608L-060-X	$60 \pm 25\%$	0.4	300
ACB1608L-120-X	$120 \pm 25\%$	0.5	200
ACB1608L-300-X	$300 \pm 25\%$	1.5	200
ACB1608M-040-X	$40 \pm 25\%$	0.3	400
ACB1608M-080-X	$80 \pm 25\%$	0.5	300
ACB1608M-120-X	$120 \pm 25\%$	0.7	200
ACB1608M-300-X	$300 \pm 25\%$	1.2	150
ACB1608M-600-X	$600 \pm 25\%$	1.8	100
ACB1608H-015-X	$15 \pm 25\%$	0.3	400
ACB1608H-030-X	$30 \pm 25\%$	0.4	300
ACB1608H-060-X	$60 \pm 25\%$	0.7	200
ACB1608H-120-X	$120 \pm 25\%$	1.2	150
ACB1608H-300-X	$300 \pm 25\%$	1.8	100
ACB2012L-015-X	$15 \pm 25\%$	0.1	600
ACB2012L-030-X	$30 \pm 25\%$	0.3	500
ACB2012L-060-X	$60 \pm 25\%$	0.4	400
ACB2012L-120-X	$120 \pm 25\%$	0.5	300
ACB2012L-300-X	$300 \pm 25\%$	1	250
ACB2012L-600-X	$600 \pm 25\%$	2	150
ACB2012M-040-X	$40 \pm 25\%$	0.3	500
ACB2012M-080-X	$80 \pm 25\%$	0.4	400
ACB2012M-120-X	$120 \pm 25\%$	0.5	300
ACB2012M-300-X	$300 \pm 25\%$	0.9	200
ACB2012M-600-X	$600 \pm 25\%$	1.3	100
ACB2012H-015-X	$15 \pm 25\%$	0.3	400
ACB2012H-030-X	$30 \pm 25\%$	0.4	300
ACB2012H-060-X	$60 \pm 25\%$	0.5	300
ACB2012H-120-X	$120 \pm 25\%$	0.9	200
ACB2012H-300-X	$300 \pm 25\%$	1.3	100
ACB2012H-600-X	$600 \pm 25\%$	2.2	100
ACB3216L-080-X	$80 \pm 25\%$	0.3	400
ACB3216M-600-X	$600 \pm 25\%$	0.9	200

* X: Packaging style (T: Taping [$\phi 180$ mm reel], TL: Taping [$\phi 330$ mm reel], B: Bulk)

EMC Components

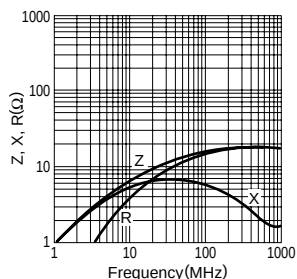
ACB Series

Ferrite Beads SMD

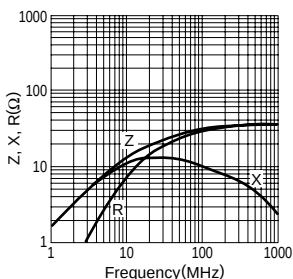
TYPICAL ELECTRICAL CHARACTERISTICS

Z, X, R vs. FREQUENCY CHARACTERISTICS

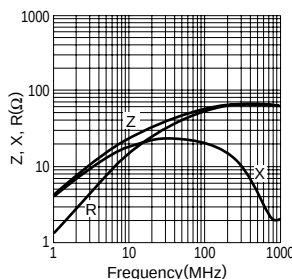
ACB1608L-015



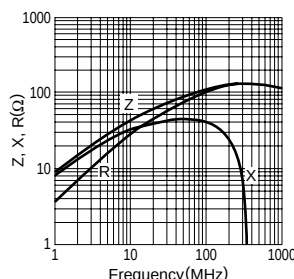
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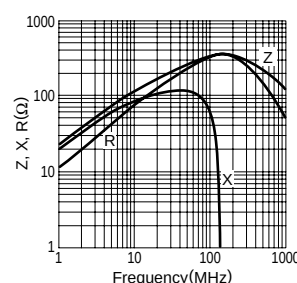
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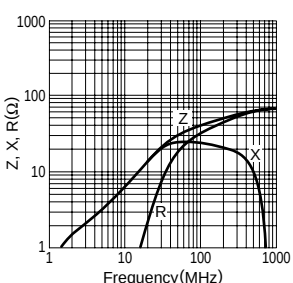
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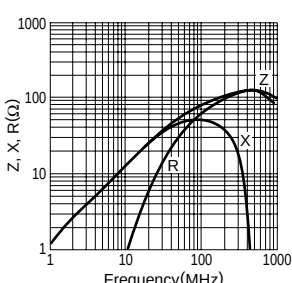
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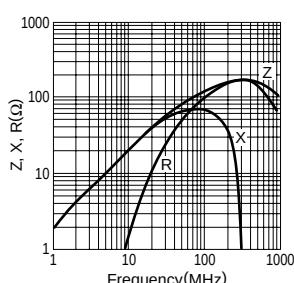
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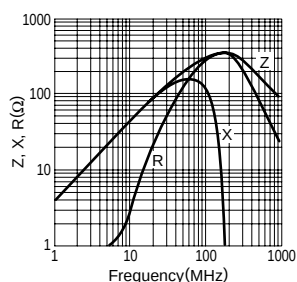
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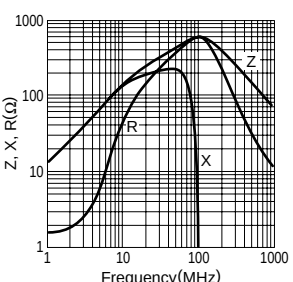
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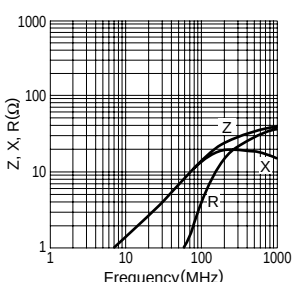
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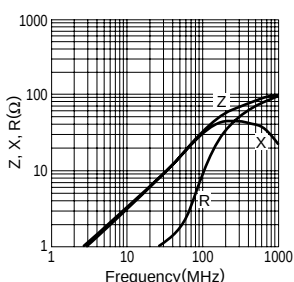
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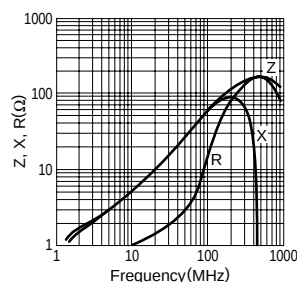
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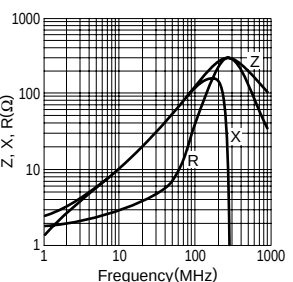
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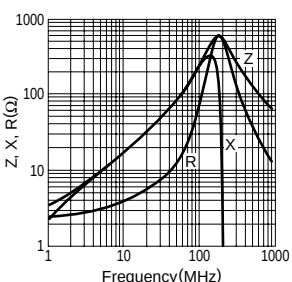
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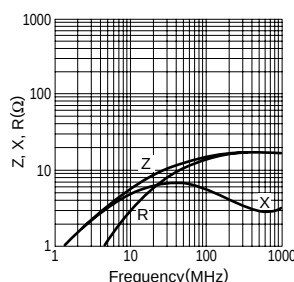
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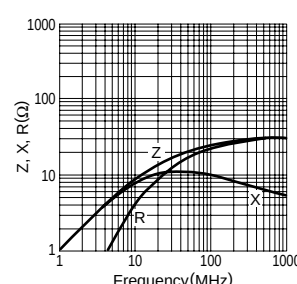
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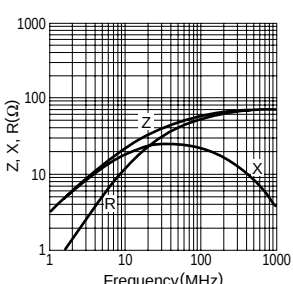
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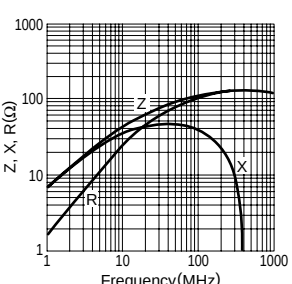
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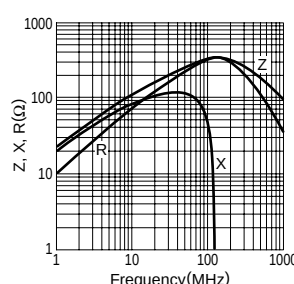
ACB2012L-060



ACB2012L-120



ACB2012L-300



• TEST EQUIPMENT: RF IMPEDANCE ANALYZER YHP4191A

⚠ Specifications which provide more details for the proper and safe use of the described product are available upon request.

All specifications are subject to change without notice. <http://www.rfoe.net/> TEL:0755-83397033 FAX:0755-83376182 E-MAIL:szss20@163.com

EMC Components

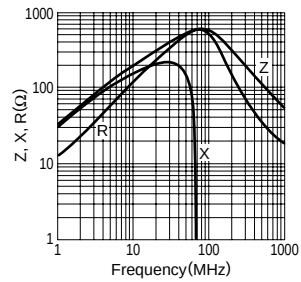
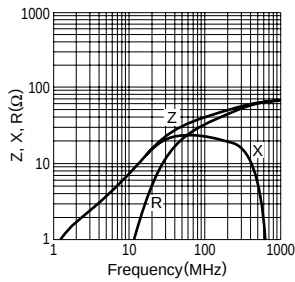
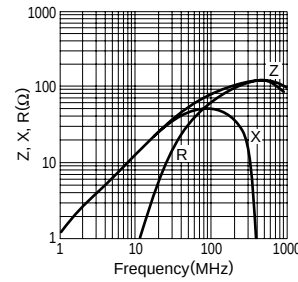
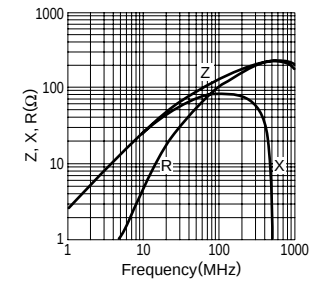
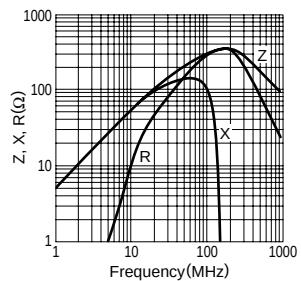
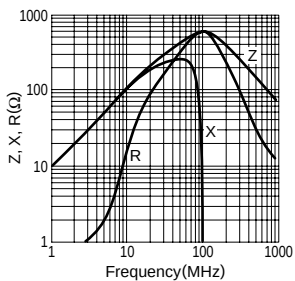
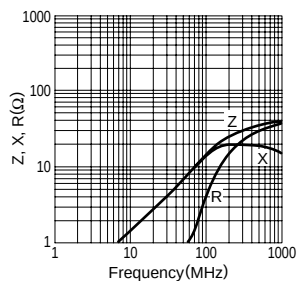
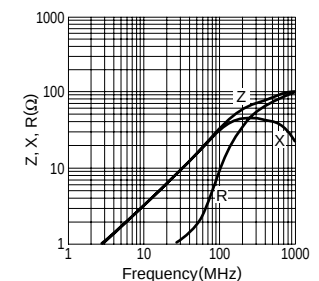
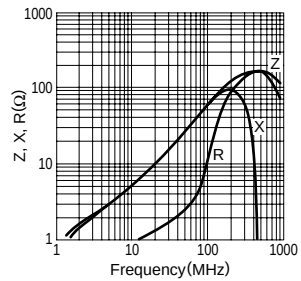
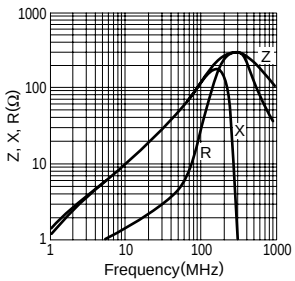
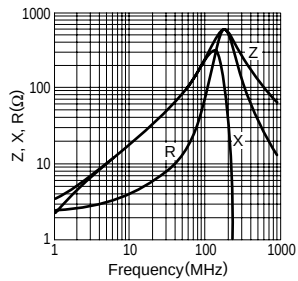
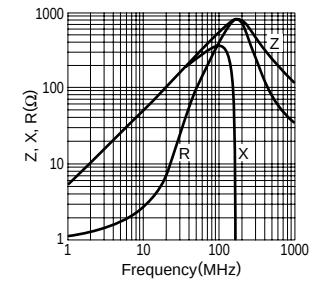
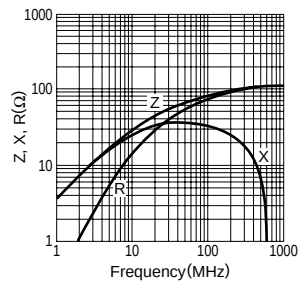
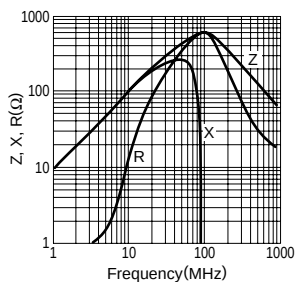
Ferrite Beads

SMD

ACB Series

TYPICAL ELECTRICAL CHARACTERISTICS

Z, X, R vs. FREQUENCY CHARACTERISTICS

ACB2012L-600**ACB2012M-040****ACB2012M-080****ACB2012M-150****ACB2012M-300****ACB2012M-600****ACB2012H-015****ACB2012H-030****ACB2012H-060****ACB2012H-120****ACB2012H-300****ACB2012H-600****ACB3216L-080****ACB3216M-600**

• TEST EQUIPMENT: RF IMPEDANCE ANALYZER YHP4191A

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电子市场设有直属分公司和产品展示展销窗口门市部专卖店及代理分销商，已在全国范围内建成
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件硬件、二极管、三极管、模块等，是您可靠的一站式现货配套供应商、方案提供商、部件功能
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关二极管、低噪晶体管、功率电阻及电容、放大器、功率管、MMIC、混频器、耦合器、功分器、
振荡器、合成器、衰减器、滤波器、隔离器、环行器、移相器、调制解调器；光电子元件和组
件：红外发射管、红外接收管、光电开关、光敏管、发光二极管和发光二极管组件、半导体激光
二极管和激光器组件、光电探测器和光接收组件、光发射接收模块、光纤激光器和光放大器、光
调制器、光开关、DWDM 用光发射和接收器件、用户接入系统光收发器件与模块、光纤连接器、
光纤跳线/尾纤、光衰减器、光纤适配器、光隔离器、光耦合器、光环行器、光复用器/转换器；
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