

■ 叠层片式铁氧体大电流磁珠 Multilayer Chip Ferrite High Current Beads

◆ 特征

Feature

- * 在同样的尺寸下较插装磁珠可产生较高的阻抗值
A unique terminal electrode structure ensures permissible current 6.0A(max).
- * 与传统的磁珠不同，片式磁珠无引线，只要简单的安装到 PCB 板上就可抑制 EMI 和 RFI
High impedance and EMI suppression effective over a wide frequency range.
- * 磁珠的形状和尺寸都符合 EIA 标准，可以利用 SMT 设备进行自动贴装
Suitable reflow and wave soldering.



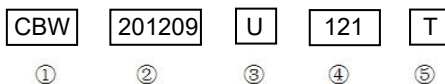
◆ 应用

Application

- * 通信设备、计算机、液晶电视等电气设备的电源线或大电流信号线的噪声抑制
Noise suppression in power lines or high current signal lines of electrical equipment such as communication equipment, computers and LCD TVs.

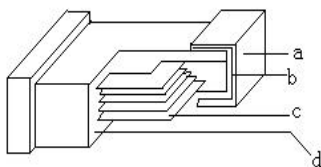
◆ 型号表示法

Part Number



① 产品代号 Product Code		② 规格尺寸(L×W×T) Dimensions (mm)		③ 材料代号 Material Code	④ 阻抗(Ω) Impedance		⑤ 包装方式 Packaging Style	
CBW	叠层片式铁氧体大电流磁珠 Multilayer Chip Ferrite High Current Beads	060303	0.6×0.3×0.3	U	示例 Example		T	卷带盘装 Tape & Reel
		100505	1.0×0.5×0.5	X	110	11	B	散装 Bulk
		160808	1.6×0.8×0.8		121	120		
		201209	2.0×1.2×0.9		102	1000		
		321609	3.2×1.6×0.9					
		322513	3.2×2.5×1.3					
		451616	4.5×1.6×1.6					
	453215	4.5×3.2×1.5						

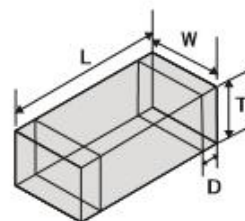
◆ 产品结构 Product Structure



- a. 银层 Ag layer
- b. 镀层 Ni/Sn plating
- c. 内电极 Inner electrode
- d. 瓷体 Body

◆规格尺寸
Dimension

Part No	L(mm)	W(mm)	T(mm)	D(mm)
060303 (0201)	0.6±0.03 (0.020±0.003)	0.3±0.03 (0.010±0.003)	0.3±0.03 (0.010±0.003)	0.15±0.05 (0.010±0.002)
100505 (0402)	1.0±0.15 (0.040±0.006)	0.5±0.15 (0.020±0.006)	0.5±0.15 (0.020±0.006)	0.25±0.1 (0.010±0.004)
160808 (0603)	1.6±0.20 (0.063±0.008)	0.8±0.20 (0.031±0.008)	0.8±0.20 (0.031±0.008)	0.3±0.2 (0.01±0.008)
201209 (0805)	2.0±0.20 (0.079±0.008)	1.2±0.20 (0.047±0.008)	0.9±0.20 (0.035±0.008)	0.5±0.3 (0.020±0.012)
321609 (1206)	3.2±0.20 (0.126±0.008)	1.6±0.20 (0.063±0.008)	0.9±0.20 (0.035±0.008)	0.5±0.3 (0.020±0.012)
322513 (1210)	3.2±0.20 (0.126±0.008)	2.5±0.20 (0.098±0.008)	1.3±0.20 (0.051±0.008)	0.5±0.3 (0.020±0.012)
451616 (1806)	4.5±0.20 (0.186±0.008)	1.6±0.20 (0.063±0.008)	1.6±0.20 (0.063±0.008)	0.5±0.3 (0.020±0.012)
453215 (1812)	4.5±0.20 (0.186±0.008)	3.2±0.20 (0.126±0.008)	1.5±0.20 (0.060±0.008)	0.5±0.3 (0.020±0.012)


◆电性能参数
Electrical Characteristics
0603 Type

型号 Part NO	误差范围 Tolerance	标称阻抗 Impedance(Ω)	测试频率 Test frequency(MHz)	直流电阻 DCR (Ω)Max	额定电流 I _r (mA)Max
CBW060303X100T	±5 Ω	10	100	0.05	1000
CBW060303X800T	±25%	80	100	0.18	500
CBW060303X121T	±25%	120	100	0.23	450
CBW060303X241T	±25%	240	100	0.38	350
CBW060303X601T	±25%	600	100	0.85	250
CBW060303X102T	±25%	1000	100	1.25	200

1005 Type

型号 Part NO	误差范围 Tolerance	标称阻抗 Impedance(Ω)	测试频率 Test frequency(MHz)	直流电阻 DCR (Ω)Max	额定电流 I _r (mA)Max
CBW100505U000T	0~11 Ω	0	100	0.04	1800
CBW100505U050T	12~25 Ω	5	100	0.04	1800
CBW100505U070T	±25%	7	100	0.04	1800
CBW100505U090T	±25%	9	100	0.04	1800
CBW100505U110T	±25%	11	100	0.04	1800
CBW100505U150T	±25%	15	100	0.04	1800
CBW100505U190T	±25%	19	100	0.06	1800
CBW100505U260T	±25%	26	100	0.06	1800

CBW100505U310T	±25%	31	100	0.08	1800
CBW100505U600T	±25%	60	100	0.13	1000
CBW100505U800T	±25%	80	100	0.17	1000
CBW100505U101T	±25%	100	100	0.20	900
CBW100505U121T	±25%	120	100	0.25	700
CBW100505U151T	±25%	150	100	0.25	700
CBW100505U181T	±25%	180	100	0.30	700
CBW100505U201T	±25%	200	100	0.30	700
CBW100505U221T	±25%	220	100	0.30	700
CBW100505U301T	±25%	300	100	0.40	400
CBW100505U501T	±25%	500	100	0.60	300
CBW100505U601T	±25%	600	100	0.60	300
CBW100505U801T	±25%	800	100	0.80	250
CBW100505U102T	±25%	1000	100	0.90	250

1608 Type

型号 Part NO	误差范围 Tolerance	标称阻抗 Impedance(Ω)	测试频率 Test frequency(MHz)	直流电阻 DCR (Ω)Max	额定电流 Ir (mA)Max
CBW160808U000T	0~15 Ω	0	100	0.02	3000
CBW160808U050T	0~15 Ω	5	100	0.02	3000
CBW160808U070T	0~11 Ω	7	100	0.02	3000
CBW160808U090T	5~13 Ω	9	100	0.02	3000
CBW160808U110T	7~15 Ω	11	100	0.02	3000
CBW160808U150T	9~21 Ω	15	100	0.03	3000
CBW160808U190T	12~25 Ω	19	100	0.03	3000
CBW160808U260T	±25%	26	100	0.03	3000
CBW160808U300T	±25%	30	100	0.03	3000
CBW160808U310T	±25%	31	100	0.03	3000
CBW160808U500T	±25%	50	100	0.10	1500
CBW160808U600T	±25%	60	100	0.10	1500
CBW160808U700T	±25%	70	100	0.10	1500
CBW160808U800T	±25%	80	100	0.10	1500
CBW160808U101T	±25%	100	100	0.12	1400
CBW160808U121T	±25%	120	100	0.14	1300
CBW160808U151T	±25%	150	100	0.15	1200
CBW160808U181T	±25%	180	100	0.15	1200
CBW160808U221T	±25%	220	100	0.18	1200
CBW160808U301T	±25%	300	100	0.20	1200
CBW160808U501T	±25%	500	100	0.30	1000
CBW160808U601T	±25%	600	100	0.30	1000
CBW160808U801T	±25%	800	100	0.35	500
CBW160808U102T	±25%	1000	100	0.40	500
CBW160808U122T	±25%	1200	100	0.45	500

CBW160808U152T	±25%	1500	100	0.55	400
CBW160808U182T	±25%	1800	100	0.55	400
CBW160808U202T	±25%	2000	100	0.60	400
CBW160808U252T	±25%	2500	100	0.65	400

2012 Type

型号 Part NO	误差范围 Tolerance	标称阻抗 Impedance(Ω)	测试频率 Test frequency(MHz)	直流电阻 DCR (Ω)Max	额定电流 Ir (mA)Max
CBW201209U000T	0~15 Ω	0	100	0.02	3000
CBW201209U050T	0~15 Ω	5	100	0.02	3000
CBW201209U070T	0~11 Ω	7	100	0.02	3000
CBW201209U090T	5~13 Ω	9	100	0.02	3000
CBW201209U110T	7~15 Ω	11	100	0.02	3000
CBW201209U150T	9~21 Ω	15	100	0.02	3000
CBW201209U190T	12~25 Ω	19	100	0.02	3000
CBW201209U300T	±25%	30	100	0.04	3000
CBW201209U310T	±25%	31	100	0.04	3000
CBW201209U360T	±25%	36	100	0.04	3000
CBW201209U600T	±25%	60	100	0.05	3000
CBW201209U700T	±25%	70	100	0.06	3000
CBW201209U800T	±25%	80	100	0.06	3000
CBW201209U101T	±25%	100	100	0.08	2500
CBW201209U121T	±25%	120	100	0.08	2500
CBW201209U151T	±25%	150	100	0.10	2500
CBW201209U181T	±25%	180	100	0.12	2000
CBW201209U201T	±25%	200	100	0.12	2000
CBW201209U221T	±25%	220	100	0.13	2000
CBW201209U301T	±25%	300	100	0.13	2000
CBW201209U331T	±25%	330	100	0.15	2000
CBW201209U501T	±25%	500	100	0.22	1500
CBW201209U601T	±25%	600	100	0.22	1500
CBW201209U801T	±25%	800	100	0.25	1000
CBW201209U102T	±25%	1000	100	0.25	1000
CBW201209U122T	±25%	1200	100	0.28	800
CBW201209U152T	±25%	1500	100	0.40	700
CBW201209U202T	±25%	2000	100	0.40	700
CBW201209U222T	±25%	2200	100	0.40	700
CBW201209U252T	±25%	2500	50	0.45	600

3216 Type

型号 Part NO	误差范围 Tolerance	标称阻抗 Impedance(Ω)	测试频率 Test frequency(MHz)	直流电阻 DCR (Ω)Max	额定电流 Ir (mA)Max
CBW321609U000T	0~15 Ω	0	100	0.04	4000

CBW321609U050T	0~15 Ω	5	100	0.04	4000
CBW321609U070T	0~11 Ω	7	100	0.04	4000
CBW321609U090T	5~13 Ω	9	100	0.04	4000
CBW321609U110T	7~15 Ω	11	100	0.04	4000
CBW321609U150T	9~21 Ω	15	100	0.04	3000
CBW321609U190T	12~25 Ω	19	100	0.04	3000
CBW321609U260T	±25%	26	100	0.04	3000
CBW321609U280T	±25%	28	100	0.04	3000
CBW321609U300T	±25%	30	100	0.04	3000
CBW321609U310T	±25%	31	100	0.04	3000
CBW321609U500T	±25%	50	100	0.04	3000
CBW321609U600T	±25%	60	100	0.04	3000
CBW321609U700T	±25%	70	100	0.07	3000
CBW321609U800T	±25%	80	100	0.07	3000
CBW321609U101T	±25%	100	100	0.07	3000
CBW321609U121T	±25%	120	100	0.07	3000
CBW321609U151T	±25%	150	100	0.10	2500
CBW321609U181T	±25%	180	100	0.10	2500
CBW321609U221T	±25%	220	100	0.11	2500
CBW321609U301T	±25%	300	100	0.15	2000
CBW321609U501T	±25%	500	100	0.20	2000
CBW321609U601T	±25%	600	100	0.20	2000
CBW321609U801T	±25%	800	100	0.25	2000
CBW321609U102T	±25%	1000	100	0.25	2000
CBW321609U122T	±25%	1200	100	0.35	1500
CBW321609U152T	±25%	1500	50	0.45	500
CBW321609U182T	±25%	1800	50	0.60	500
CBW321609U202T	±25%	2000	50	0.70	300
CBW321609U252T	±25%	2500	50	0.90	200
CBW321609U302T	±25%	3000	50	0.90	200

3225 Type

型号 Part NO	误差范围 Tolerance	标称阻抗 Impedance(Ω)	测试频率 Test frequency(MHz)	直流电阻 DCR (Ω)Max	额定电流 Ir (mA)Max
CBW322513U110T	7~15 Ω	11	100	0.03	5000
CBW322513U150T	9~21 Ω	15	100	0.03	5000
CBW322513U190T	12~25 Ω	19	100	0.03	5000
CBW322513U260T	±25%	26	100	0.03	5000
CBW322513U310T	±25%	31	100	0.03	5000
CBW322513U600T	±25%	60	100	0.03	5000
CBW322513U700T	±25%	70	100	0.03	5000
CBW322513U800T	±25%	80	100	0.03	5000
CBW322513U900T	±25%	90	100	0.04	4000

CBW322513U121T	±25%	120	100	0.06	4000
CBW322513U151T	±25%	150	100	0.08	4000
CBW322513U221T	±25%	220	100	0.08	3000
CBW322513U301T	±25%	300	100	0.08	3000
CBW322513U501T	±25%	500	100	0.12	3000
CBW322513U601T	±25%	600	100	0.18	2000
CBW322513U801T	±25%	800	100	0.23	2000
CBW322513U102T	±25%	1000	100	0.28	2000

4516 Type

型号 Part NO	误差范围 Tolerance	标称阻抗 Impedance(Ω)	测试频率 Test frequency(MHz)	直流电阻 DCR (Ω)Max	额定电流 Ir (mA)Max
CBW451616U190T	12~25 Ω	19	100	0.015	6000
CBW451616U260T	±25%	26	100	0.020	6000
CBW451616U310T	±25%	31	100	0.020	6000
CBW451616U600T	±25%	60	100	0.025	6000
CBW451616U750T	±25%	75	100	0.04	6000
CBW451616U800T	±25%	80	100	0.05	3000
CBW451616U900T	±25%	90	100	0.06	3000
CBW451616U121T	±25%	120	100	0.06	3000
CBW451616U151T	±25%	150	100	0.06	3000
CBW451616U221T	±25%	220	100	0.08	2000
CBW451616U301T	±25%	300	100	0.09	2000
CBW451616U501T	±25%	500	100	0.20	1500
CBW451616U601T	±25%	600	100	0.20	1500

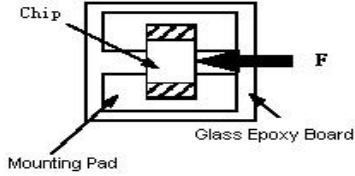
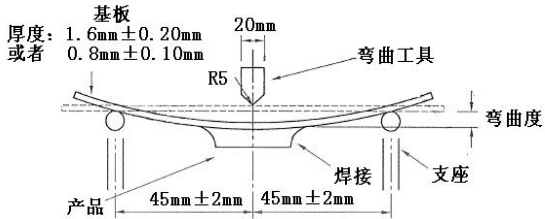
4532 Type

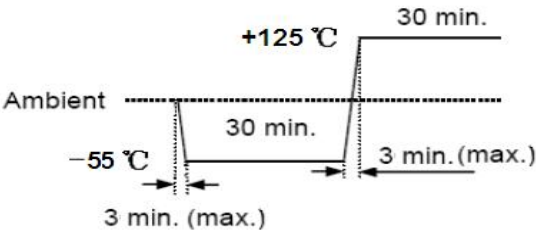
型号 Part NO	误差范围 Tolerance	标称阻抗 Impedance(Ω)	测试频率 Test frequency(MHz)	直流电阻 DCR (Ω)Max	额定电流 Ir (mA)Max
CBW453215U260T	±25%	26	100	0.02	5000
CBW453215U280T	±25%	28	100	0.02	5000
CBW453215U300T	±25%	30	100	0.02	5000
CBW453215U310T	±25%	31	100	0.02	5000
CBW453215U380T	±25%	38	100	0.02	5000
CBW453215U400T	±25%	40	100	0.02	4000
CBW453215U500T	±25%	50	100	0.02	4000
CBW453215U600T	±25%	60	100	0.02	4000
CBW453215U700T	±25%	70	100	0.02	4000
CBW453215U800T	±25%	80	100	0.02	4000
CBW453215U900T	±25%	90	100	0.02	4000
CBW453215U101T	±25%	100	100	0.03	4000
CBW453215U121T	±25%	120	100	0.03	4000

CBW453215U151T	±25%	150	100	0.04	3500
CBW453215U181T	±25%	180	100	0.06	3000
CBW453215U201T	±25%	200	100	0.06	3000
CBW453215U221T	±25%	220	100	0.06	2000
CBW453215U301T	±25%	300	100	0.06	2000
CBW453215U401T	±25%	400	100	0.08	1000
CBW453215U501T	±25%	500	100	0.10	1000
CBW453215U601T	±25%	600	100	0.10	1000

◆可靠性测试方法
Reliability Test Method

序号 No.	项目 Items	要求 Requirements	试验方法及备注 Test Methods and Remarks
1	工作温度范围 Operating Temperature Range	-55°C~+125°C	包含产品表面温升 Includes product surface temperature rise
2	可焊性 Solder ability	<p>无可见损伤； 电极面 95%以上覆盖新的焊料。 95% or more of electrode area shall be coated by new solder.</p>	<p>预热温度：120°C ~ 150°C 预热时间：60s 焊料：（96.5%Sn/3.0%Ag/0.5%Cu）焊锡 焊锡温度：245°C±5°C 浸锡深度：10mm 浸锡时间：5±1s 浸渍到助焊剂约：3 ~ 5 s Preheating temperature:120°C to 150°C Preheating time: 60s Solder 96.5%Sn/3.0%Ag/0.5%Cu of the Sn solder. Solder temperature: 245±5°C Immersion tin depth:10mm Duration : 5±1s Dip performance to a flux of about:3 ~ 5 s</p>
3	耐焊接热 Resistance to Soldering Heat	<p>至少 95%的焊锡覆盖在端电极表面，无可见机械损伤。 阻抗变化率小于±30%。 At least 95% of terminal electrode should be covered with solder. No mechanical damage. Inductance : Impedance change: within ±30%</p>	<p>预热温度：120°C~150°C 预热时间：60s 焊料：（96.5%Sn/3.0%Ag/0.5%Cu）焊锡 浸锡温度：260°C±5°C 浸锡深度：10mm 浸锡时间：10±1s 浸渍到助焊剂约：3~5 s Preheating temperature: 120°C to 150°C Preheating time: 60s Solder 96.5%Sn/3.0%Ag/0.5%Cu of the Sn solder. Solder temperature: 260°C±5°C Immersion tin depth:10mm Duration : 10±1s Dip performance to a flux of about:3~5 s</p>

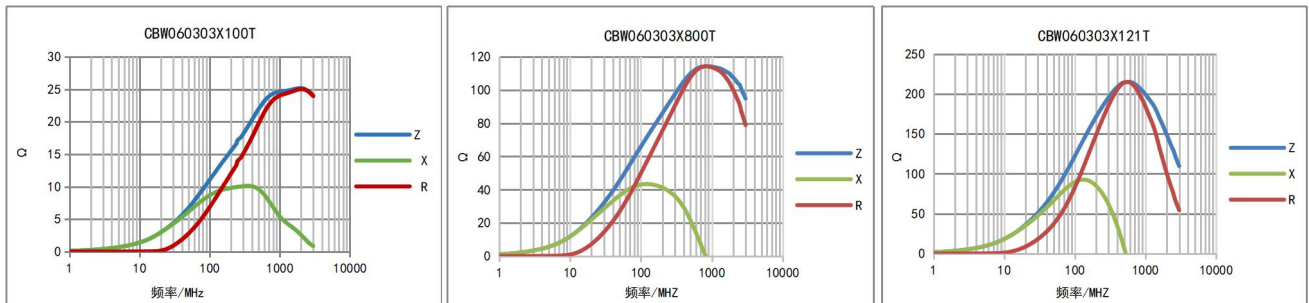
4	端电极强度 Adhesion of electrode	端电极与磁体不应受损，无可见机械损伤。 The termination and body should be no damage.	施加力：1005 系列为 5N；1608 系列为 7N；2012、3216 系列为 10N；3225、4532 系列为 15N。 保持时间：10±1S Applied force: 5N force for 1005 series; 7N force for 1608 series; 10N force for 2012、3216 series. 15N force for 3225、4532 series. Keep time : 10±1S 
5	耐低温 Low temperature resistance	无可见机械损伤，阻抗变化率小于±30%。 No mechanical damage. Impedance change: within ±30%	测试温度：-55±2℃ 测试时间：1000 ⁺²⁴ ₀ h Temperature:-55±2℃ Testing time: 1000 ⁺²⁴ ₀ h
6	抗弯强度 Bending strength	无可见机械损伤 No mechanical damage	测试基板：玻璃环氧树脂基板 加压速度为 0.5mm/s，弯度：2mm，保持时间 20s±1s Testing board: glass epoxy-resin substrate For 0.5 mm/s compression speed, curvature: 2mm, hold time 20s±1s 。 
7	振动 Vibration	无可见机械损伤，阻抗变化率小于±30%。 No mechanical damage. Impedance change: within ±30%	振幅：1.5mm 测试时间：沿三个垂直方向各做 2 小时 频率范围：10Hz~55Hz~10Hz （1 分钟） Amplitude modulation: 1.5mm Test time: A period of 2h in each of 3 mutually perpendicular directions. Frequency range: 10Hz to 55Hz to 10Hz for 1min.
8	耐高温 High temperature resistance	无可见机械损伤，阻抗变化率小于±30%。 No mechanical damage. Impedance change: within ±30%	测试时间：1000 ⁺²⁴ ₀ h 测试温度：125±2℃ Testing time: 1000 ⁺²⁴ ₀ h Temperature: 125±2℃

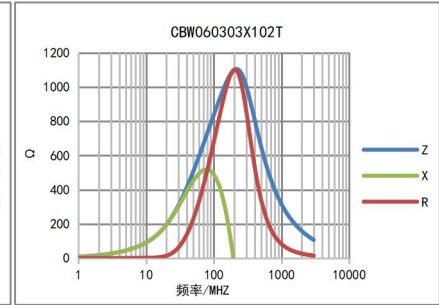
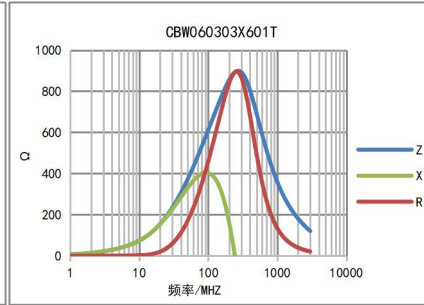
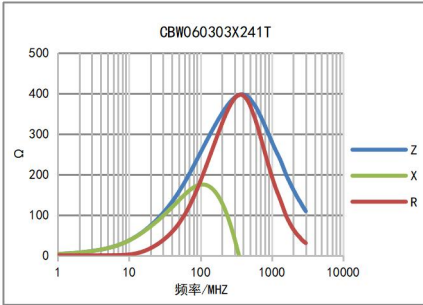
9	<p>恒定湿热 Static Humidity</p>	<p>无可见机械损伤, 阻抗变化率小于±30%。 No mechanical damage. Impedance change: within ±30%</p>	<p>湿度:90%~95% RH, 温度:60°C±2°C 测试时间: 1000⁺²⁴₋₀ h Humidity: 90% to 95% RH Temperature: 60°C±2°C Testing time: 1000⁺²⁴₋₀ h</p>
10	<p>高温负载 High temperature load</p>	<p>无可见机械损伤, 阻抗变化率小于±30%。 No mechanical damage. Impedance change: within ±30%</p>	<p>施加电流: 额定电流 测试时间: 1000⁺²⁴₋₀ h 测试温度: 85°C±2°C impose current: at room Testing time: 1000⁺²⁴₋₀ h Temperature: 85±2°C</p>
11	<p>温度冲击 Temperature Shock</p>	<p>无可见机械损伤, 阻抗变化率小于±30%。 No mechanical damage. Impedance change: within ±30%</p>	<p>温度: -55°C, 30±3 分钟 +125°C, 30±3 分钟 循环次数: 100 Temperature: -55°C for 30±3min +125°C for 30±3min Number of cycles: 100</p> 
<p>注: 以上要求测试电性能的项目, 应试验后在标准条件下放置 24 小时后测试。 Note: When there are questions concerning, measurement shall be made after 24±2hrs of recovery under the standard condition.</p>			

◆ 产品特性曲线图

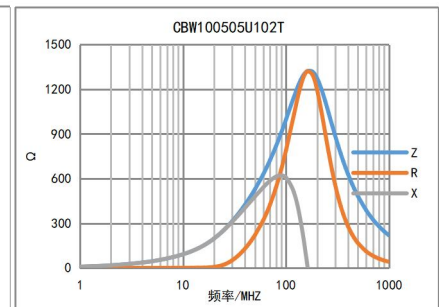
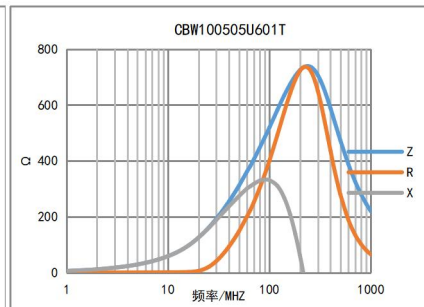
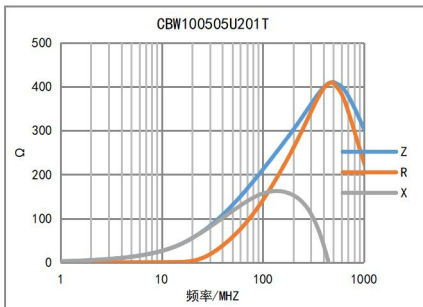
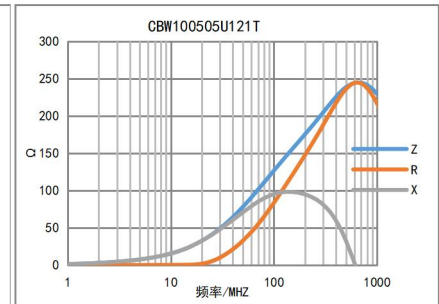
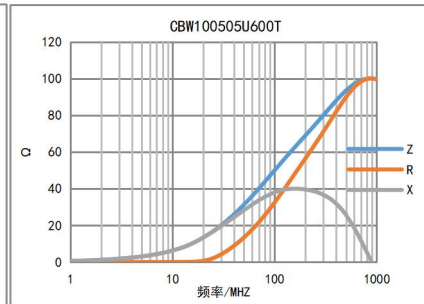
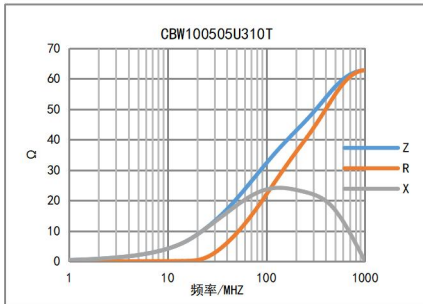
Product Characteristic Curve

CBW0603 Type

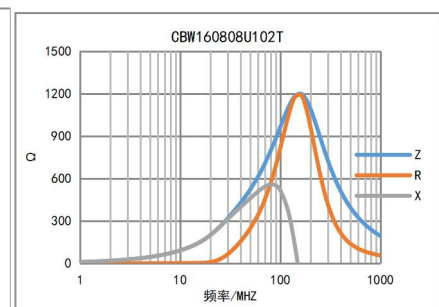
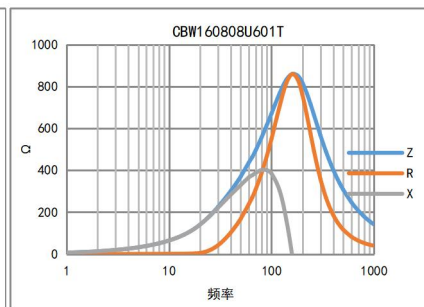
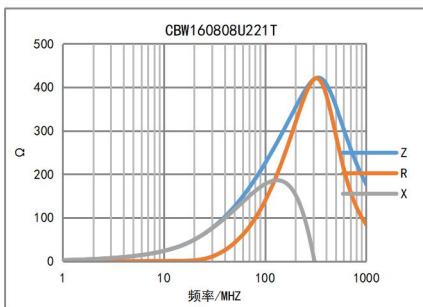
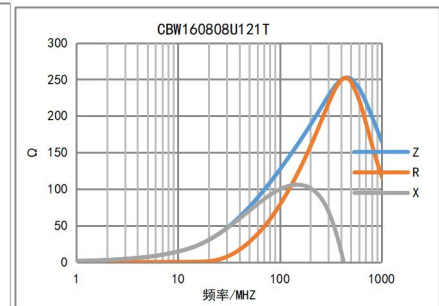
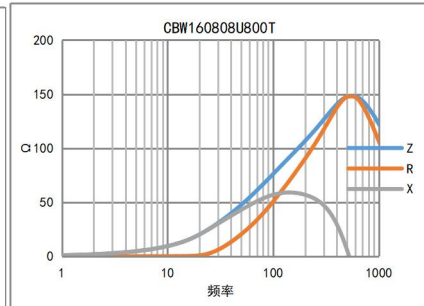
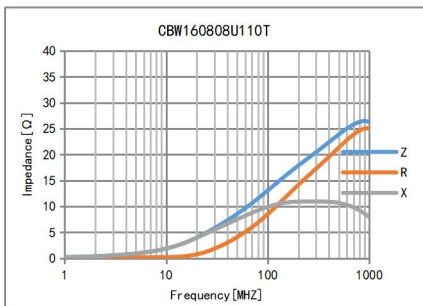




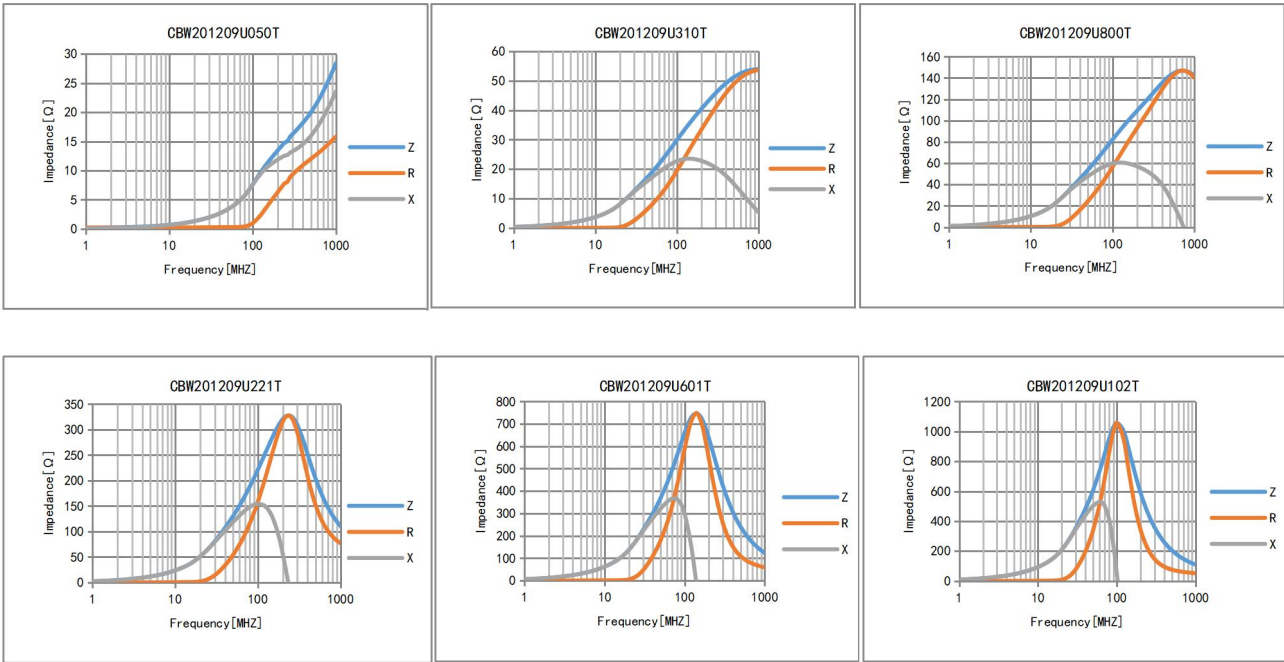
CBW1005 Type



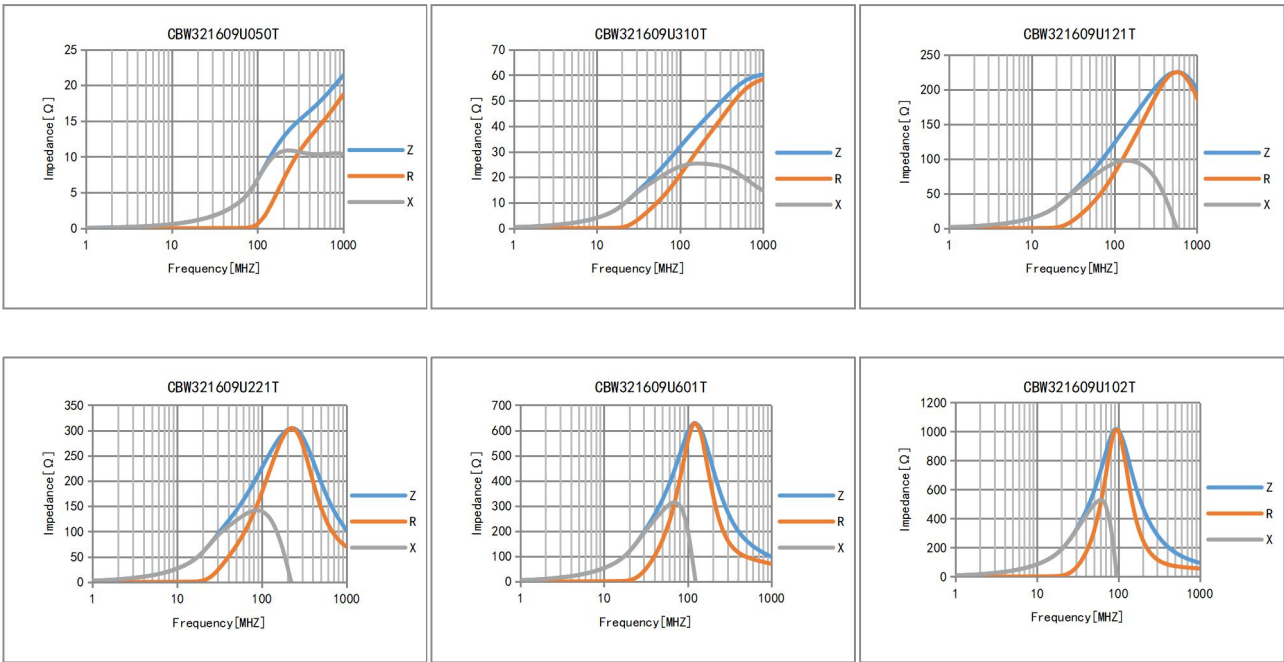
CBW1608 Type



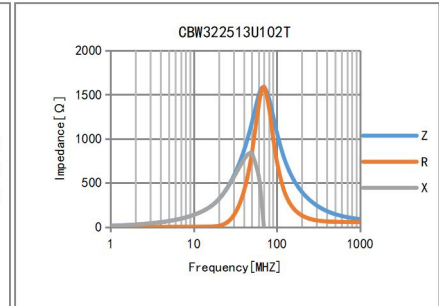
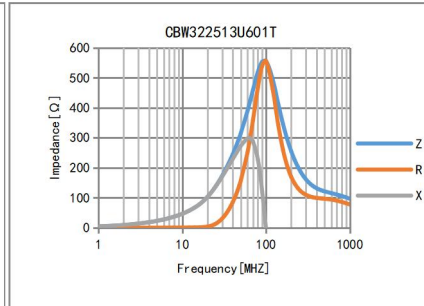
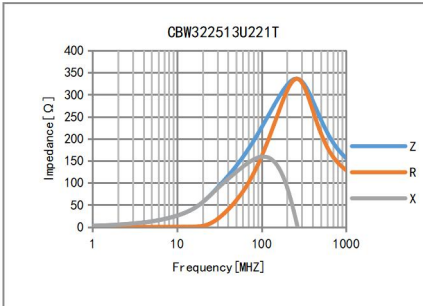
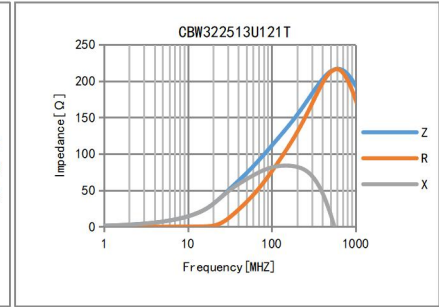
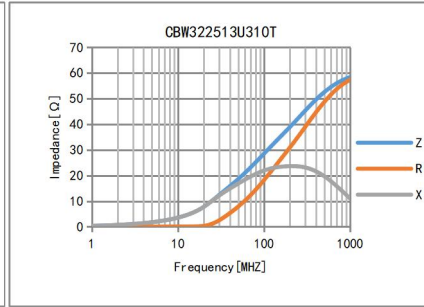
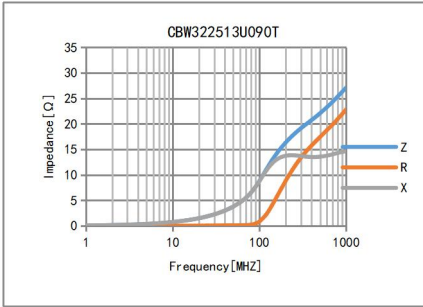
CBW2012 Type



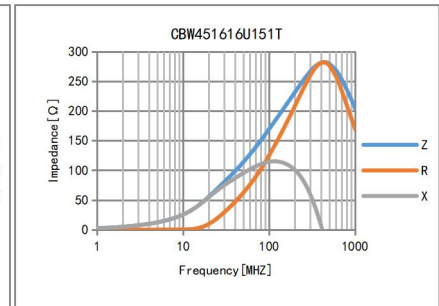
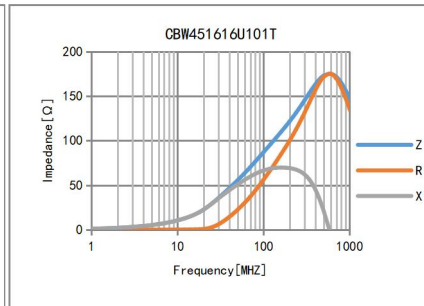
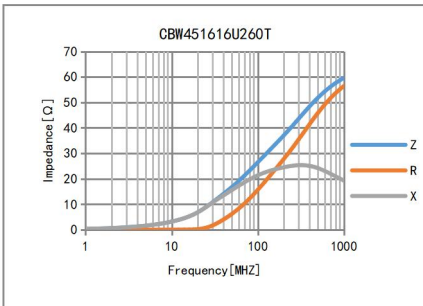
CBW3216 Type



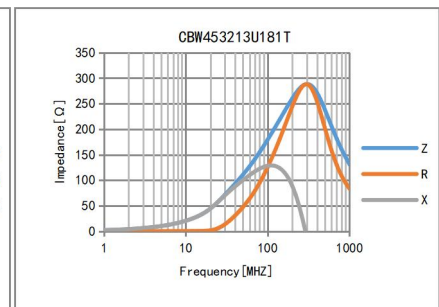
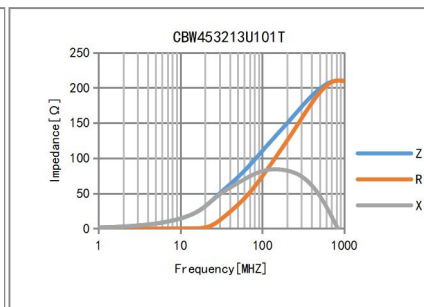
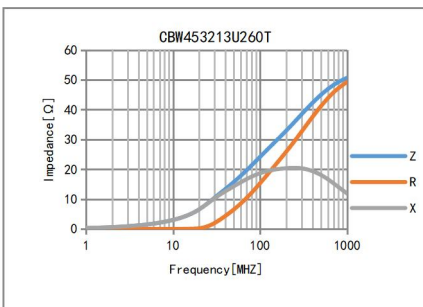
CBW3225 Type



CBW4516 Type

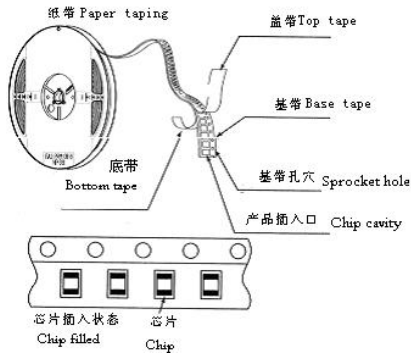


CBW4532 Type

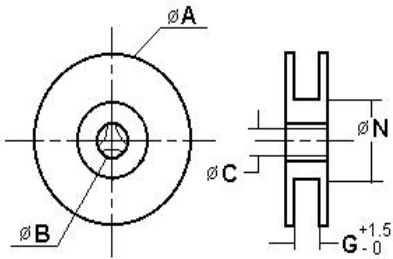


Packaging

* 编带图 Taping drawings

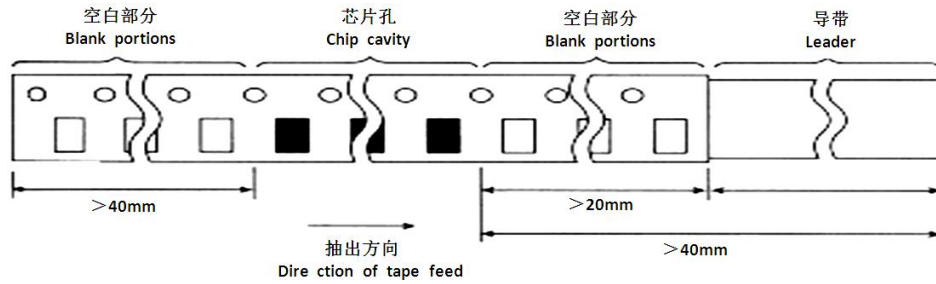


* 卷盘尺寸 Reel dimensions (Unit: mm)



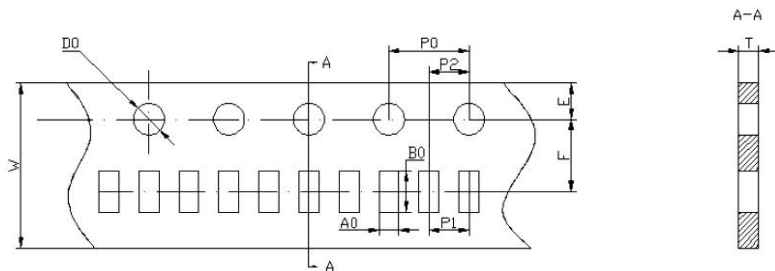
型号 Size	A	B	C	N	G
CF-8	178±2.0	22.0±2.0	12.5±1.5	57±2.0	8
CF-12	330±2.0	22.0±2.0	12.5±1.5	98±2.0	12

* 导带及空格部分 Leader and blank portion



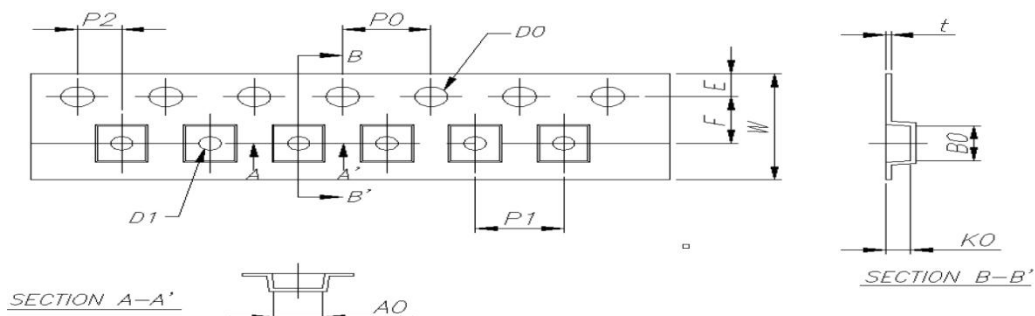
* 编带尺寸 Taping dimensions (Unit: mm)

纸带 Paper tape



Part	A0	B0	W	F	E	P1	P2	P0	D0	T
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NO.										
060303	0.35±0.03	0.66±0.03	8.00±0.10	3.50±0.05	1.75±0.05	2.00±0.05	2.00±0.05	4.00±0.05	1.55±0.05	0.42±0.03
100505	0.65±0.1	1.15±0.1	8.0±0.2	3.5±0.1	1.75±0.2	2.0±0.1	2.0±0.1	4.0±0.2	1.55±0.1	0.60±0.1
160808	1.10±0.2	1.90±0.2	8.0±0.2	3.5±0.1	1.75±0.2	4.0±0.2	2.0±0.1	4.0±0.2	1.55±0.1	0.95±0.1
201209	1.50±0.2	2.30±0.2	8.0±0.2	3.5±0.1	1.75±0.2	4.0±0.2	2.0±0.1	4.0±0.2	1.55±0.1	0.95±0.1
321609	1.90±0.2	3.50±0.2	8.0±0.2	3.5±0.1	1.75±0.2	4.0±0.2	2.0±0.1	4.0±0.2	1.55±0.1	0.95±0.1

 塑料胶带
 tape


Embossed

型号 Size	453215	322513	321611	201212
W	12.00+/-0.20	8.00+/-0.20	8.00+/-0.20	8.00+/-0.2
E	1.75+/-0.10	1.75+/-0.10	1.75+/-0.10	1.75+/-0.10
F	5.50+/-0.10	3.50+/-0.10	3.50+/-0.10	3.50+/-0.10
D0	1.50+/-0.10	1.50+/-0.10	1.50+/-0.10	1.50+/-0.10
D1	1.50+/-0.10	1.00+/-0.10	1.00+/-0.10	1.00+/-0.10
P0	4.00+/-0.10	4.00+/-0.10	4.00+/-0.10	4.00+/-0.10
P010	40.0+/-0.20	40.0+/-0.20	40.0+/-0.20	40.0+/-0.20
P1	8.00+/-0.10	4.00+/-0.10	4.00+/-0.10	4.00+/-0.10
P2	2.00+/-0.10	2.0+/-0.05	2.0+/-0.05	2.00+/-0.10
A0	3.66+/-0.10	2.77+/-0.10	1.88+/-0.10	1.52+/-0.10
B0	4.95+/-0.10	3.42+/-0.10	3.50+/-0.10	2.41+/-0.10
K0	1.85+/-0.10	1.55+/-0.10	1.27+/-0.10	1.35+/-0.10
t	0.24+/-0.20	0.23+/-0.20	0.23+/-0.20	0.23+/-0.20

* 包装数量 (单位: 粒) Packaging number (Unit: Pcs)

型号 Size	453215	322513	321611	321609	201212	201209	160808	100505	060303
每卷数量 REEL	3000	3000	3000	4000	3000	4000	4000	10000	15000
每盒数量 BOX	12000	30000	30000	40000	30000	40000	40000	100000	150000
每箱数量 CASE	36000	180000	180000	240000	180000	240000	240000	600000	900000