

SPECIFICATION FOR APPROVAL

版 本: A

增益签核：

制订	审核	核准
夏琳		李万

客户签核:

工程	审核	核准



东莞市增益实业有限公司

传真: 0769-87891229

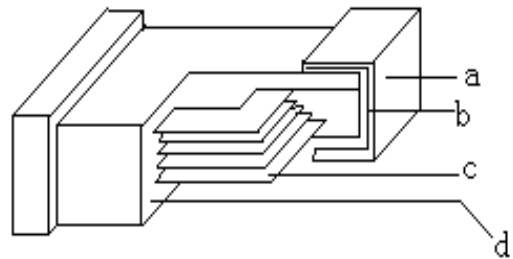
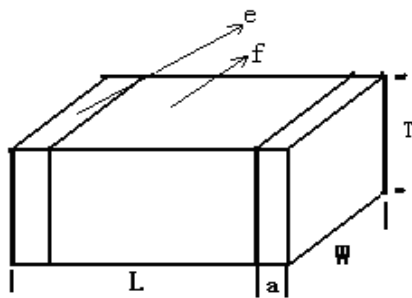
贴片磁珠

A

图 面 规 格 变 更 履 历 表

客户			料号		品名	
客户版本	增益版本	变更内容	日期	制定	审核	核准
	A	初版	2023/10/23	夏琳	李万	李万
 东莞市增益实业有限公司 地址：东莞市塘厦镇林村塘厦大道北552号 电话：0769-87321000 传真：0769-87891229				物料类型：	贴片 磁珠	
				日 期：	2023/10/23	
				版 本：	A	

1 外形尺寸与内部结构 Dimension & Inner-configuration:



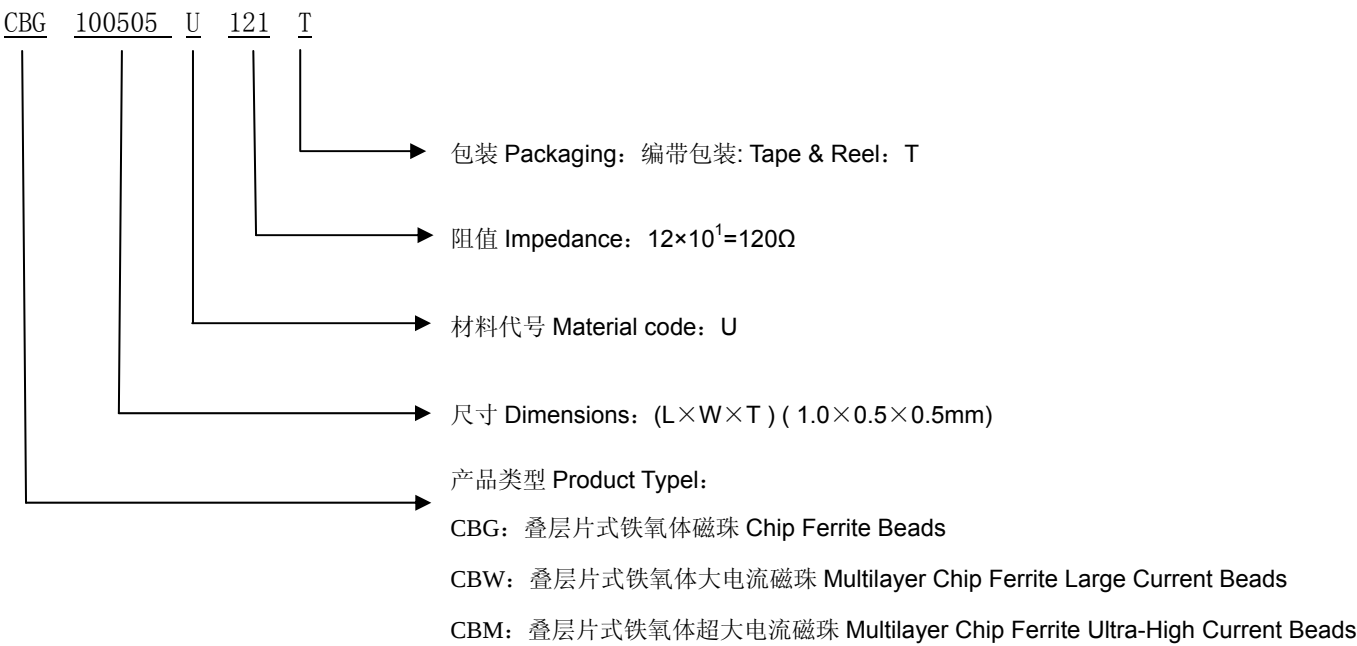
- a.镀层 Ni/Sn plating
- b.银层 Ag layer
- c.内电极 Inner electrode
- d.瓷体 Body
- e.端电极 Terminal electrode
- f.瓷体 ferrite or ceramic

序号 No.	部位 Component		材料 Material
1	瓷体Body		铁氧体电感：镍铜锌体系Ni-Cu-Zn
2	内电极Inner electrode		纯银Ag
3	端电极 Terminal electrode	银层 Ag layer	银Ag
		Ni/Sn镀层Ni/Sn plating	镍层-锡层Ni-Sn

单位Unit: mm(inch)

型号 Size	L	W	T	a
100505	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	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 (0.012±0.008)
201209	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	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	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	4.5±0.20 (0.180±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	4.5±0.20 (0.180±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)

2 产品品名构成 Product Spec. Model



注：磁珠阻抗误差范围在型号规格中无显示，

Note: The impedance Tolerance range of the Chip Bead is not mentioned in the model specifications.

- 000T 误差范围 Tolerance range: 0-15 Ω ;
- 050T 误差范围 Tolerance range: 0-15 Ω ;
- 070T 误差范围 Tolerance range: 0-11 Ω ;
- 090T 误差范围 Tolerance range: 5-13 Ω ;
- 110T 误差范围 Tolerance range: 7-15 Ω ;
- 150T 误差范围 Tolerance range: 9-21 Ω ;
- 190T 误差范围 Tolerance range: 12-25 Ω ;
- 260T-102T 误差范围 Tolerance range : 控制为 $\pm 25\%$ controlled by $\pm 25\%$.

3 电性能参数表 Electrical Characteristics List

型号规格 Part NO.	客户料号 Customer P/N	误差 范围 Tolerance	标称阻抗 Impedance (Ω)	直流电阻 RDC (Ω)max	测试频率 Test frequency (MHz)	测试电压 Test voltage (mV)	额定电流 Rated current (mA)max
CBG100505U000T		0~15Ω	0	0.05	100	50	500
CBG100505U050T		0~15Ω	5	0.05	100	50	500
CBG100505U070T		0~11Ω	7	0.05	100	50	500
CBG100505U090T		5~13Ω	9	0.05	100	50	500
CBG100505U110T		7~15Ω	11	0.05	100	50	500
CBG100505U150T		9~21Ω	15	0.05	100	50	500
CBG100505U190T		12~25Ω	19	0.10	100	50	300
CBG100505U260T		±25%	26	0.13	100	50	300
CBG100505U310T		±25%	31	0.20	100	50	300
CBG100505U360T		±25%	36	0.20	100	50	300
CBG100505U600T		±25%	60	0.30	100	50	200
CBG100505U800T		±25%	80	0.35	100	50	200
CBG100505U101T		±25%	100	0.35	100	50	200
CBG100505U121T		±25%	120	0.40	100	50	200
CBG100505U151T		±25%	150	0.47	100	50	200
CBG100505U181T		±25%	180	0.52	100	50	150
CBG100505U201T		±25%	200	0.52	100	50	150
CBG100505U221T		±25%	220	0.52	100	50	150
CBG100505U301T		±25%	300	0.65	100	50	100
CBG100505U501T		±25%	500	0.90	100	50	100
CBG100505U601T		±25%	600	1.00	100	50	100
CBG100505U801T		±25%	800	1.30	100	50	100
CBG100505U102T		±25%	1000	1.40	100	50	100

型号规格 Part NO.	客户料号 Customer P/N	误差 范围 Tolerance	标称阻抗 Impedance (Ω)	直流电阻 RDC (Ω)max	测试频率 Test frequency (MHz)	测试电压 Test voltage (mV)	额定电流 Rated current (mA)max
CBG160808U000T		0~15Ω	0	0.05	100	50	2000
CBG160808U050T		0~15Ω	5	0.05	100	50	2000
CBG160808U070T		0~11Ω	7	0.05	100	50	2000
CBG160808U090T		5~13Ω	9	0.05	100	50	2000
CBG160808U110T		7~15Ω	11	0.05	100	50	2000
CBG160808U150T		9~21Ω	15	0.05	100	50	2000
CBG160808U190T		12~25Ω	19	0.05	100	50	2000
CBG160808U260T		±25%	26	0.05	100	50	2000
CBG160808U310T		±25%	31	0.05	100	50	1000
CBG160808U600T		±25%	60	0.15	100	50	400
CBG160808U700T		±25%	70	0.15	100	50	400
CBG160808U800T		±25%	80	0.15	100	50	400
CBG160808U101T		±25%	100	0.20	100	50	300
CBG160808U121T		±25%	120	0.20	100	50	300
CBG160808U151T		±25%	150	0.20	100	50	300
CBG160808U181T		±25%	180	0.30	100	50	300
CBG160808U221T		±25%	220	0.30	100	50	300
CBG160808U301T		±25%	300	0.35	100	50	200
CBG160808U501T		±25%	500	0.45	100	50	200
CBG160808U601T		±25%	600	0.45	100	50	200
CBG160808U801T		±25%	800	0.60	100	50	200
CBG160808U102T		±25%	1000	0.60	100	50	200
CBG160808U122T		±25%	1200	0.70	100	50	200
CBG160808U152T		±25%	1500	0.70	100	50	200
CBG160808U182T		±25%	1800	0.90	100	50	150
CBG160808U202T		±25%	2000	1.10	100	50	150
CBG160808U222T		±25%	2200	1.20	100	50	100
CBG160808U252T		±25%	2500	1.30	100	50	50

型号规格 Part NO.	客户料号 Customer P/N	误差 范围 Tolerance	标称阻抗 Impedance (Ω)	直流电阻 RDC (Ω)max	测试频率 Test frequency (MHz)	测试电压 Test voltage (mV)	额定电流 Rated current (mA)max
CBG201209U000T		0~15Ω	0	0.04	100	50	2200
CBG201209U050T		0~15Ω	5	0.04	100	50	2200
CBG201209U070T		0~11Ω	7	0.04	100	50	2200
CBG201209U090T		5~13Ω	9	0.04	100	50	2200
CBG201209U110T		7~15Ω	11	0.04	100	50	2200
CBG201209U150T		9~21Ω	15	0.04	100	50	2200
CBG201209U190T		12~25Ω	19	0.04	100	50	2200
CBG201209U260T		±25%	26	0.05	100	50	1500
CBG201209U310T		±25%	31	0.05	100	50	1500
CBG201209U360T		±25%	36	0.05	100	50	1500
CBG201209U600T		±25%	60	0.10	100	50	1000
CBG201209U700T		±25%	70	0.10	100	50	1000
CBG201209U800T		±25%	80	0.10	100	50	1000
CBG201209U101T		±25%	100	0.15	100	50	800
CBG201209U121T		±25%	120	0.15	100	50	800
CBG201209U151T		±25%	150	0.18	100	50	700
CBG201209U181T		±25%	180	0.18	100	50	700
CBG201209U221T		±25%	220	0.20	100	50	600
CBG201209U301T		±25%	300	0.20	100	50	600
CBG201209U501T		±25%	500	0.30	100	50	550
CBG201209U601T		±25%	600	0.30	100	50	550
CBG201209U801T		±25%	800	0.35	100	50	500
CBG201209U102T		±25%	1000	0.35	100	50	500
CBG201209U122T		±25%	1200	0.40	100	50	500
CBG201209U152T		±25%	1500	0.40	100	50	500
CBG201209U202T		±25%	2000	0.45	100	50	500
CBG201209U222T		±25%	2200	0.45	100	50	500
CBG201209U252T		±25%	2500	0.50	50	50	400
CBG201209U272T		±25%	2700	0.60	50	50	200
CBG201209U302T		±25%	3000	0.60	50	50	200

型号规格 Part NO.	客户料号 Customer P/N	误差 范围 Tolerance	标称阻抗 Impedance (Ω)	直流电阻 RDC (Ω)max	测试频率 Test frequency (MHz)	测试电压 Test voltage (mV)	额定电流 Rated current (mA)max
CBG321609U000T		0~15Ω	0	0.05	100	50	2200
CBG321609U050T		0~15Ω	5	0.05	100	50	2200
CBG321609U070T		0~11Ω	7	0.05	100	50	2200
CBG321609U090T		5~13Ω	9	0.05	100	50	2000
CBG321609U110T		7~15Ω	11	0.05	100	50	2000
CBG321609U150T		9~21Ω	15	0.05	100	50	2000
CBG321609U190T		12~25Ω	19	0.05	100	50	2000
CBG321609U260T		±25%	26	0.05	100	50	2000
CBG321609U310T		±25%	31	0.05	100	50	2000
CBG321609U600T		±25%	60	0.10	100	50	1000
CBG321609U700T		±25%	70	0.10	100	50	1000
CBG321609U800T		±25%	80	0.10	100	50	1000
CBG321609U101T		±25%	100	0.10	100	50	1000
CBG321609U121T		±25%	120	0.10	100	50	1000
CBG321609U151T		±25%	150	0.15	100	50	1000
CBG321609U181T		±25%	180	0.15	100	50	1000
CBG321609U221T		±25%	220	0.20	100	50	800
CBG321609U301T		±25%	300	0.20	100	50	800
CBG321609U501T		±25%	500	0.30	100	50	600
CBG321609U601T		±25%	600	0.30	100	50	600
CBG321609U801T		±25%	800	0.35	100	50	600
CBG321609U102T		±25%	1000	0.35	100	50	600
CBG321609U122T		±25%	1200	0.60	100	50	300
CBG321609U152T		±25%	1500	0.60	50	50	300
CBG321609U182T		±25%	1800	0.80	50	50	100
CBG321609U202T		±25%	2000	1.00	50	50	100
CBG321609U252T		±25%	2500	1.20	50	50	50
CBG321609U302T		±25%	3000	1.50	50	50	50

型号规格 Part NO.	客户料号 Customer P/N	误差 范围 Tolerance	标称阻抗 Impedance (Ω)	直流电阻 RDC (Ω)max	测试频率 Test frequency (MHz)	测试电压 Test voltage (mV)	额定电流 Rated current (mA)max
CBW100505U000T		0~15Ω	0	0.04	100	50	1800
CBW100505U050T		0~15Ω	5	0.04	100	50	1800
CBW100505U070T		0~11Ω	7	0.04	100	50	1800
CBW100505U090T		5~13Ω	9	0.04	100	50	1800
CBW100505U110T		7~15Ω	11	0.04	100	50	1800
CBW100505U150T		9~21Ω	15	0.04	100	50	1800
CBW100505U190T		12~25Ω	19	0.06	100	50	1800
CBW100505U260T		±25%	26	0.06	100	50	1800
CBW100505U310T		±25%	31	0.08	100	50	1800
CBW100505U600T		±25%	60	0.13	100	50	1000
CBW100505U800T		±25%	80	0.17	100	50	1000
CBW100505U101T		±25%	100	0.20	100	50	900
CBW100505U121T		±25%	120	0.25	100	50	700
CBW100505U151T		±25%	150	0.25	100	50	700
CBW100505U181T		±25%	180	0.30	100	50	700
CBW100505U201T		±25%	200	0.30	100	50	700
CBW100505U221T		±25%	220	0.30	100	50	700
CBW100505U301T		±25%	300	0.40	100	50	400
CBW100505U501T		±25%	500	0.60	100	50	300
CBW100505U601T		±25%	600	0.60	100	50	300
CBW100505U801T		±25%	800	0.80	100	50	250
CBW100505U102T		±25%	1000	0.90	100	50	250

型号规格 Part NO.	客户料号 Customer P/N	误差 范围 Tolerance	标称阻抗 Impedance (Ω)	直流电阻 RDC (Ω)max	测试频率 Test frequency (MHz)	测试电压 Test voltage (mV)	额定电流 Rated current (mA)max
CBW160808U000T		0~15Ω	0	0.02	100	50	3000
CBW160808U050T		0~15Ω	5	0.02	100	50	3000
CBW160808U070T		0~11Ω	7	0.02	100	50	3000
CBW160808U090T		5~13Ω	9	0.02	100	50	3000
CBW160808U110T		7~15Ω	11	0.02	100	50	3000
CBW160808U150T		9~21Ω	15	0.03	100	50	3000
CBW160808U190T		12~25Ω	19	0.03	100	50	3000
CBW160808U260T		±25%	26	0.03	100	50	3000
CBW160808U300T		±25%	30	0.03	100	50	3000
CBW160808U310T		±25%	31	0.03	100	50	3000
CBW160808U500T		±25%	50	0.10	100	50	1500
CBW160808U600T		±25%	60	0.10	100	50	1500
CBW160808U700T		±25%	70	0.10	100	50	1500
CBW160808U800T		±25%	80	0.10	100	50	1500
CBW160808U101T		±25%	100	0.12	100	50	1400
CBW160808U121T		±25%	120	0.14	100	50	1300
CBW160808U151T		±25%	150	0.15	100	50	1200
CBW160808U181T		±25%	180	0.15	100	50	1200
CBW160808U221T		±25%	220	0.18	100	50	1200
CBW160808U301T		±25%	300	0.20	100	50	1200
CBW160808U501T		±25%	500	0.30	100	50	1000
CBW160808U601T		±25%	600	0.30	100	50	1000
CBW160808U801T		±25%	800	0.35	100	50	500
CBW160808U102T		±25%	1000	0.40	100	50	500
CBW160808U122T		±25%	1200	0.45	100	50	500
CBW160808U152T		±25%	1500	0.55	100	50	400
CBW160808U182T		±25%	1800	0.55	100	50	400
CBW160808U202T		±25%	2000	0.60	100	50	400
CBW160808U252T		±25%	2500	0.65	100	50	400

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

型号规格 Part NO.	客户料号 Customer P/N	误差 范围 Tolerance	标称阻抗 Impedance (Ω)	直流电阻 RDC (Ω)max	测试频率 Test frequency (MHz)	测试电压 Test voltage (mV)	额定电流 Rated current (mA)max
CBW321609U000T		0~15Ω	0	0.04	100	50	4000
CBW321609U050T		0~15Ω	5	0.04	100	50	4000
CBW321609U070T		0~11Ω	7	0.04	100	50	4000
CBW321609U090T		5~13Ω	9	0.04	100	50	4000
CBW321609U110T		7~15Ω	11	0.04	100	50	4000
CBW321609U150T		9~21Ω	15	0.04	100	50	3000
CBW321609U190T		12~25Ω	19	0.04	100	50	3000
CBW321609U260T		±25%	26	0.04	100	50	3000
CBW321609U280T		±25%	28	0.04	100	50	3000
CBW321609U300T		±25%	30	0.04	100	50	3000
CBW321609U310T		±25%	31	0.04	100	50	3000
CBW321609U500T		±25%	50	0.04	100	50	3000
CBW321609U600T		±25%	60	0.04	100	50	3000
CBW321609U700T		±25%	70	0.07	100	50	3000
CBW321609U800T		±25%	80	0.07	100	50	3000
CBW321609U101T		±25%	100	0.07	100	50	3000
CBW321609U121T		±25%	120	0.07	100	50	3000
CBW321609U151T		±25%	150	0.10	100	50	2500
CBW321609U181T		±25%	180	0.10	100	50	2500
CBW321609U221T		±25%	220	0.11	100	50	2500
CBW321609U301T		±25%	300	0.15	100	50	2000
CBW321609U501T		±25%	500	0.20	100	50	2000
CBW321609U601T		±25%	600	0.20	100	50	2000
CBW321609U801T		±25%	800	0.25	100	50	2000
CBW321609U102T		±25%	1000	0.25	100	50	2000
CBW321609U122T		±25%	1200	0.35	100	50	1500
CBW321609U152T		±25%	1500	0.45	50	50	500
CBW321609U182T		±25%	1800	0.60	50	50	500
CBW321609U202T		±25%	2000	0.70	50	50	300
CBW321609U252T		±25%	2500	0.90	50	50	200
CBW321609U302T		±25%	3000	0.90	50	50	200

[illegible]

[illegible]

[illegible]

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型号规格 Part NO.	客户料号 Customer P/N	误差 范围 Tolerance	标称阻抗 Impedance (Ω)	直流电阻 RDC (Ω)max	测试频率 Test frequency (MHz)	测试电压 Test voltage (mV)	额定电流 Rated current (mA)max
CBM160808U000T		0~15Ω	0	0.01	100	50	6000
CBM160808U050T		0~15Ω	5	0.01	100	50	6000
CBM160808U070T		0~11Ω	7	0.01	100	50	6000
CBM160808U090T		5~13Ω	9	0.01	100	50	6000
CBM160808U110T		7~15Ω	11	0.01	100	50	6000
CBM160808U150T		9~21Ω	15	0.01	100	50	6000
CBM160808U190T		12~25Ω	19	0.01	100	50	6000
CBM160808U260T		±25%	26	0.03	100	50	5000
CBM160808U300T		±25%	30	0.03	100	50	4000
CBM160808U500T		±25%	50	0.04	100	50	3000
CBM160808U600T		±25%	60	0.04	100	50	3000
CBM160808U700T		±25%	70	0.06	100	50	2500
CBM160808U750T		±25%	75	0.06	100	50	2500
CBM160808U800T		±25%	80	0.06	100	50	2500
CBM160808U101T		±25%	100	0.06	100	50	2500
CBM160808U121T		±25%	120	0.065	100	50	2000
CBM160808U151T		±25%	150	0.07	100	50	1500
CBM160808U181T		±25%	180	0.09	100	50	1500
CBM160808U221T		±25%	220	0.12	100	50	1500
CBM160808U301T		±25%	300	0.15	100	50	1500
CBM160808U331T		±25%	330	0.18	100	50	1300
CBM160808U501T		±25%	500	0.18	100	50	1300
CBM160808U601T		±25%	600	0.18	100	50	1300
CBM160808U801T		±25%	800	0.30	100	50	800
CBM160808U102T		±25%	1000	0.35	100	50	700

[illegible]

型号规格 Part NO.	客户料号 Customer P/N	误差 范围 Tolerance	标称阻抗 Impedance (Ω)	直流电阻 RDC (Ω)max	测试频率 Test frequency (MHz)	测试电压 Test voltage (mV)	额定电流 Rated current (mA)max
CBM321609U000T		0~15Ω	0	0.01	100	50	6000
CBM321609U050T		0~15Ω	5	0.01	100	50	6000
CBM321609U070T		0~11Ω	7	0.01	100	50	6000
CBM321609U090T		5~13Ω	9	0.01	100	50	6000
CBM321609U110T		7~15Ω	11	0.01	100	50	6000
CBM321609U150T		9~21Ω	15	0.015	100	50	6000
CBM321609U190T		12~25Ω	19	0.015	100	50	6000
CBM321609U260T		±25%	26	0.015	100	50	6000
CBM321609U280T		±25%	28	0.015	100	50	6000
CBM321609U300T		±25%	30	0.015	100	50	6000
CBM321609U310T		±25%	31	0.020	100	50	5000
CBM321609U500T		±25%	50	0.020	100	50	5000
CBM321609U600T		±25%	60	0.025	100	50	5000
CBM321609U700T		±25%	70	0.035	100	50	4000
CBM321609U800T		±25%	80	0.035	100	50	4000
CBM321609U101T		±25%	100	0.035	100	50	4000
CBM321609U121T		±25%	120	0.035	100	50	4000
CBM321609U151T		±25%	150	0.045	100	50	3000
CBM321609U181T		±25%	180	0.055	100	50	3000
CBM321609U221T		±25%	220	0.055	100	50	3000
CBM321609U301T		±25%	300	0.065	100	50	2500
CBM321609U501T		±25%	500	0.080	100	50	2500
CBM321609U601T		±25%	600	0.085	100	50	2200
CBM321609U801T		±25%	800	0.11	100	50	2100
CBM321609U102T		±25%	1000	0.12	100	50	2100

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备注：当工作温度超过+85℃时，额定电流>1A 的铁氧体磁珠的额定电流必须降额使用。具体请根据工作温度使用图示的降额曲线。

When Operating temperatures exceed +85℃, derating of current is necessary for chip ferrite beads for which rated current is 1A and over. Please apply the derating curve shown in chart according to the operating temperature.

