

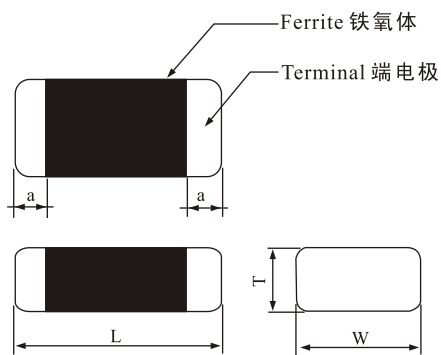
◎ FEATURES 特性

- No crosstalk between inductors due to magnetic shield, perfect for high density installation
- 闭合磁路，无交互干扰，适合于高密度安装
- Small chip inductor, can be mounted with surface mounting equipment with no directionality
- 小体积，无引线结构，适用于SMT设备自动贴装
- Monolithic structure for high reliability
- 独石结构，可靠性高
- Excellent in solderability and high heat resistance with either flow or reflow soldering
- 可焊性和耐焊性优，适用于流焊和再流焊

◎ HOW TO ORDER 订货方式

CI	160808		A	56N	M	T	f	
产品代号 Product code	规格尺寸(长×宽×厚mm) Dimensions		材料代号 Material Code		标称电感量(μH) Nominal inductance	误差 Tolerance	包装方式 Packaging Style	无铅产品 Lead free Products
	160808	1.6×0.8×0.8	A		56N=0.056	J ±5%	B散包装 Bulk	
	201209	2.0×1.2×0.9	B		2R2=2.2	K ±10%		
	201212	2.0×1.2×1.2	C		270=27	M ±20%	T编带包装 Tape & Reel	
	321609	3.2×1.6×0.9	D					
	100505	1.0×0.5×0.5						
	321611	3.2×1.6×1.1						
	321616	3.2×1.6×1.6						
	322513	3.2×2.5×1.3						
	4532	4.5×3.2×1.5						

◎ SHAPE AND DIMENSIONS 外形尺寸



Unit:(mm)

TYPE	L(长)	W(宽)	T(厚)	a
1005 (0402)	1.0 ± 0.15	0.5 ± 0.15	0.5 ± 0.15	0.25 ± 0.15
1608 (0603)	1.60 ± 0.15	0.8 ± 0.15	0.8 ± 0.15	0.3 ± 0.2
2012 (0805)	2.0 ± 0.2	1.2 ± 0.2	0.9 ± 0.2 1.2 ± 0.2	0.4 ± 0.2
3216 (1206)	3.2 ± 0.2	1.6 ± 0.2	0.9 ± 0.2 1.1 ± 0.3 1.6 ± 0.3	0.5 ± 0.3
3225 (1210)	3.2 ± 0.2	2.5 ± 0.2	1.3 ± 0.3	0.5 ± 0.3
4532 (1812)	4.5 ± 0.2	3.2 ± 0.2	1.5 ± 0.3	0.5 ± 0.3

◎ 规格特性 SPECIFICATIONS

■ CI1608 系列

型号规格 Part No.	电感量 Inductance (μ H)	Q值 Q factor Min	Ls,Q测试频率 Test Frequency (MHz)	自谐频率 SRF (MHz)Min	直流电阻 DC resistance (Ω)Max	额定电流 Rated Current (mA)Max
CI1608A56N□	0.056	15	50	300	0.3	50
CI1608A68N□	0.068	10	50	250	0.3	50
CI1608A82N□	0.082	10	50	245	0.3	50
CI1608AR10□	0.10	15	25	240	0.5	50
CI1608AR12□	0.12	15	25	205	0.5	50
CI1608AR15□	0.15	15	25	180	0.6	50
CI1608AR18□	0.18	15	25	165	0.6	50
CI1608AR22□	0.22	15	25	150	0.8	50
CI1608AR27□	0.27	15	25	136	0.8	50
CI1608AR33□	0.33	15	25	125	0.85	35
CI1608AR39□	0.39	15	25	110	1.0	35
CI1608AR47□	0.47	15	25	105	1.35	35
CI1608BR56□	0.56	15	10	95	1.55	35
CI1608BR68□	0.68	15	10	90	1.70	35
CI1608BR82□	0.82	15	10	85	2.1	35
CI1608B1R0□	1.00	35	10	75	0.6	25
CI1608B1R2□	1.20	35	10	65	0.8	25
CI1608B1R5□	1.50	35	10	60	0.8	25
CI1608B1R8□	1.80	35	10	55	0.95	25
CI1608B2R2□	2.20	35	10	50	1.15	15
CI1608B2R7□	2.70	35	10	45	1.35	15
CI1608B3R3□	3.30	35	10	40	1.55	15
CI1608B3R9□	3.90	35	10	35	1.7	15
CI1608B4R7□	4.70	35	10	33	2.1	15
CI1608B5R6□	5.60	35	4	22	1.55	5
CI1608B6R8□	6.80	35	4	20	1.70	5
CI1608B8R2□	8.20	35	4	18	2.1	5
CI1608C100□	10.0	30	2	17	1.85	3
CI1608C120□	12.0	30	2	15	2.1	3
CI1608D150□	15.0	20	1	14	1.7	1
CI1608D180□	18.0	20	1	13	1.85	1
CI1608D220□	22.0	20	1	11	2.1	1
CI1608D270□	27.0	20	1	10	2.75	1
CI1608D330□	33.0	20	1	9	2.95	1

□:表示电感量偏差代号为M、K或J。M-±20%，K-±10%，J-±5%

□:Tolerance: M-±20%，K-±10%，J-±5%，

规格特性 SPECIFICATIONS

CI2012 系列

型号规格 Part No.	电感量 Inductance (μ H)	Q值 Q factor Min	Ls,Q测试频率 Test Frequency (MHz)	自谐频率 SRF (MHz)Min	直流电阻 DC resistance (Ω)Max	额定电流 Rated Current (mA)Max
CI2012A47N□	0.047	20	50	320	0.2	300
CI2012A56N□	0.056	20	50	300	0.2	300
CI2012A68N□	0.068	20	50	280	0.2	300
CI2012A82N□	0.082	20	50	255	0.2	300
CI2012AR10□	0.1	25	25	235	0.3	250
CI2012AR12□	0.12	25	25	220	0.3	250
CI2012AR15□	0.15	25	25	200	0.4	250
CI2012AR18□	0.18	25	25	185	0.4	250
CI2012AR22□	0.22	25	25	170	0.5	250
CI2012AR27□	0.27	25	25	150	0.5	250
CI2012AR33□	0.33	25	25	145	0.55	250
CI2012AR39□	0.39	25	25	135	0.65	200
CI2012AR47□	0.47	25	25	125	0.65	200
CI2012BR56□	0.56	25	25	115	0.75	150
CI2012BR68□	0.68	25	25	105	0.8	150
CI2012BR82□	0.82	25	25	100	1.0	150
CI2012B1R0□	1.0	45	10	75	0.4	50
CI2012B1R2□	1.2	45	10	65	0.5	50
CI2012B1R5□	1.5	45	10	60	0.5	50
CI2012B1R8□	1.8	45	10	55	0.6	50
CI2012B2R2□	2.2	45	10	50	0.65	30
CI2012B2R7□	2.7	45	10	45	0.75	30
CI2012B3R3□	3.3	45	10	41	0.8	30
CI2012B3R9□	3.9	45	10	38	0.9	30
CI2012B4R7□	4.7	45	10	35	1.0	30
CI2012B5R6□	5.6	50	4	32	0.9	15
CI2012B6R8□	6.8	50	4	29	1.0	15
CI2012B8R2□	8.2	50	4	26	1.1	15
CI2012C100□	10	50	2	24	1.15	15
CI2012C120□	12	50	2	22	1.25	15
CI2012D150□	15	30	1	19	0.8	5
CI2012D180□	18	30	1	18	0.9	5
CI2012D220□	22	30	1	16	1.1	5
CI2012D270□	27	30	1	14	1.15	5
CI2012D330□	33	30	0.4	13	1.25	4
CI2012D390□	39	30	2	8	2.9	4
CI2012D470□	47	30	2	7	3	4

□:表示电感量偏差代号为M、K或J。M-±20%，K-±10%，J-±5%，

□:Tolerance: M-±20%，K-±10%，J-±5%，

◎ 规格特性 SPECIFICATIONS

■ CI3216 系列

型号规格 Part No.	电感量 Inductance (μ H)	Q值 Q factor Min	Ls,Q测试频率 Test Frequency (MHz)	自谐频率 SRF (MHz)Min	直流电阻 DC resistance (Ω)Max	额定电流 Rated Current (mA)Max
CI3216A47N□	0.047	20	50	320	0.15	300
CI3216A68N□	0.068	20	50	280	0.25	300
CI3216A82N□	0.082	20	50	250	0.25	250
CI3216AR10□	0.1	20	25	235	0.25	250
CI3216AR12□	0.12	20	25	220	0.3	250
CI3216AR15□	0.25	20	25	200	0.3	250
CI3216AR18□	0.18	20	25	185	0.4	250
CI3216AR22□	0.22	20	25	170	0.4	250
CI3216AR27□	0.27	20	25	150	0.5	250
CI3216AR33□	0.33	20	25	145	0.55	250
CI3216AR39□	0.39	25	25	135	0.60	200
CI3216AR47□	0.47	25	25	125	0.60	200
CI3216BR56□	0.56	25	25	115	0.7	150
CI3216BR68□	0.68	25	25	105	0.8	150
CI3216BR82□	0.82	25	25	100	1.0	150
CI3216B1R0□	1.0	35	10	75	0.5	100
CI3216B1R2□	1.2	35	10	65	0.5	100
CI3216B1R5□	1.5	35	10	60	0.5	50
CI3216B1R8□	1.8	35	10	55	0.6	50
CI3216B2R2□	2.2	35	10	50	0.65	50
CI3216B2R7□	2.7	35	10	45	0.75	50
CI3216B3R3□	3.3	35	10	41	0.8	50
CI3216B3R9□	3.9	35	10	38	0.85	50
CI3216B4R7□	4.7	35	10	35	0.95	50
CI3216B5R6□	5.6	40	4	32	0.8	25
CI3216B6R8□	6.8	40	4	29	0.85	25
CI3216B8R2□	8.2	40	4	26	0.9	25
CI3216C100□	10	30	2	24	1.0	25
CI3216C120□	12	30	2	22	1.05	15
CI3216D150□	15	25	1	19	0.7	5
CI3216D180□	18	25	1	18	0.7	5
CI3216D220□	22	25	1	16	0.9	5
CI3216D270□	27	25	1	14	0.9	5
CI3216D330□	33	25	0.4	13	1.05	5
CI3216D390□	39	25	2	11	2.9	5
CI3216D470□	47	25	2	10	3.0	5
CI3216D560□	56	25	2	9.5	3.1	4
CI3216D680□	68	20	1	9.5	3.4	4
CI3216D820□	82	20	1	9	3.4	4
CI3216D101□	100	20	1	8	3.7	4

□:表示电感量偏差代号为M、K或J。M- $\pm$ 20%，K- $\pm$ 10%，J- $\pm$ 5%

□:Tolerance: M- $\pm$ 20%，K- $\pm$ 10%，J- $\pm$ 5%，

◎ 规格特性 SPECIFICATIONS

■ CI3225 系列

型号规格 Part No.	电感量 Inductance (μ H)	Q值 Q factor Min	Ls,Q测试频率 Test Frequency (MHz)	自谐频率 SRF (MHz)Min	直流电阻 DC resistance (Ω)Max	额定电流 Rated Current (mA)Max
CI3225A47N□	0.047	20	50	300	0.12	320
CI3225A68N□	0.068	20	50	260	0.22	310
CI3225AR10□	0.10	20	12	215	0.22	260
CI3225AR12□	0.12	20	25	200	0.28	260
CI3225AR15□	0.15	20	25	180	0.28	260
CI3225AR18□	0.18	20	25	165	0.35	260
CI3225AR22□	0.22	20	25	150	0.35	260
CI3225AR27□	0.27	20	25	130	0.45	260
CI3225AR33□	0.33	20	25	125	0.5	260
CI3225AR39□	0.39	20	25	115	0.5	220
CI3225AR47□	0.47	20	25	105	0.55	220
CI3225BR56□	0.56	20	25	95	0.65	180
CI3225BR68□	0.68	20	25	90	0.75	180
CI3225BR82□	0.82	20	25	80	0.8	180
CI3225B1R0□	1.0	35	10	60	0.4	120
CI3225B1R2□	1.2	35	10	55	0.45	120
CI3225B1R5□	1.5	35	10	50	0.45	60
CI3225B1R8□	1.8	35	10	45	0.45	60
CI3225B2R2□	2.2	35	10	40	0.5	60
CI3225B2R7□	2.7	35	10	35	0.5	60
CI3225B3R3□	3.3	35	10	30	0.6	60
CI3225B3R9□	3.9	35	10	26	0.7	60
CI3225B4R7□	4.7	35	10	24	0.8	60
CI3225B5R6□	5.6	40	4	20	0.7	30
CI3225B6R8□	6.8	40	4	19	0.8	30
CI3225B8R2□	8.2	40	4	18	0.85	30
CI3225C100□	10	40	2	17	0.9	30
CI3225C120□	12	40	2	15	1.0	20
CI3225D150□	15	35	1	14	0.7	10
CI3225D180□	18	35	1	13	0.7	10
CI3225D220□	22	35	1	12	0.9	10
CI3225D270□	27	35	1	11	0.9	10
CI3225D330□	33	30	2	10	1.05	10
CI3225D390□	39	30	2	9	3	5
CI3225D470□	47	30	2	8	3.4	5
CI3225D560□	56	30	1	7	3.4	5
CI3225D680□	68	30	1	6	3.4	5
CI3225D820□	82	30	1	6.5	3.4	5
CI3225D101□	100	30	1	5	3.7	5
CI3225D121□	120	30	1	5.5	3.6	3
CI3225D151□	150	30	1	4	3.7	3
CI3225D181□	180	30	1	4.5	3.8	3
CI3225D221□	220	30	1	3	4.2	3

□:表示电感量偏差代号为M、K或J。M- $\pm 20\%$, K- $\pm 10\%$, J- $\pm 5\%$,□:Tolerance: M- $\pm 20\%$, K- $\pm 10\%$, J- $\pm 5\%$,

◎ 规格特性 SPECIFICATIONS

■ CI4532 系列

型号规格 Part No.	电感量 Inductance (μ H)	Q值 Q factor Min	Ls,Q测试频率 Test Frequency (MHz)	自谐频率 SRF (MHz)Min	直流电阻 DC resistance (Ω)Max	额定电流 Rated Current (mA)Max
CI4532A47N□	0.047	20	50	300	0.1	350
CI4532A68N□	0.068	20	50	260	0.2	350
CI4532AR10□	0.1	20	25	215	0.2	300
CI4532AR12□	0.12	20	25	200	0.25	300
CI4532AR15□	0.15	20	25	180	0.25	300
CI4532AR18□	0.18	20	25	165	0.3	300
CI4532AR22□	0.22	20	25	150	0.3	300
CI4532AR27□	0.27	20	25	130	0.4	300
CI4532AR33□	0.33	20	25	125	0.5	300
CI4532AR39□	0.39	20	25	115	0.5	250
CI4532AR47□	0.47	20	25	105	0.5	250
CI4532BR56□	0.56	20	25	95	0.7	200
CI4532BR68□	0.68	20	25	90	0.8	200
CI4532BR82□	0.82	20	25	80	0.9	200
CI4532B1R0□	1.0	35	10	60	0.4	150
CI4532B1R2□	1.2	35	10	55	0.5	150
CI4532B1R5□	1.5	35	10	50	0.5	100
CI4532B1R8□	1.8	35	10	45	0.5	100
CI4532B2R2□	2.2	35	10	40	0.6	100
CI4532B2R7□	2.7	35	10	35	0.6	100
CI4532B3R3□	3.3	35	10	30	0.7	100
CI4532B3R9□	3.9	35	10	26	0.8	100
CI4532B4R7□	4.7	35	10	24	0.9	100
CI4532B5R6□	5.6	40	4	20	0.7	50
CI4532B6R8□	6.8	40	4	19	0.8	50
CI4532B8R2□	8.2	40	4	18	0.9	50
CI4532C100□	10	40	2	17	1.0	50
CI4532C120□	12	40	2	15	1.05	30
CI4532D150□	15	35	1	14	0.7	15
CI4532D180□	18	35	1	13	0.7	15
CI4532D220□	22	35	1	12	0.9	15
CI4532D270□	27	35	1	11	0.9	15
CI4532D330□	33	35	1	10	1.05	15
CI4532D390□	39	30	2	9	3	15
CI4532D470□	47	30	2	8	3.4	15
CI4532D560□	56	30	2	7	3.4	10
CI4532D680□	68	30	1	6	3.4	10
CI4532D820□	82	30	1	6.5	3.4	10
CI4532D101□	100	30	1	5	3.7	10
CI4532D121□	120	30	1	5.5	3.6	5
CI4532D151□	150	30	1	4	3.7	5
CI4532D181□	180	30	1	4.5	3.8	5
CI4532D221□	220	30	1	3	4.2	5

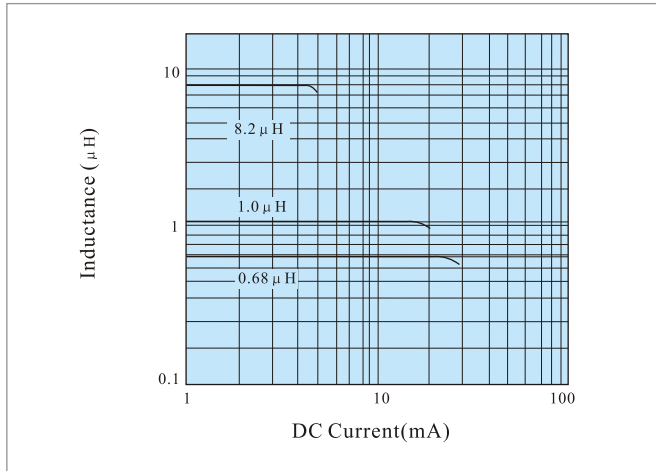
□:表示电感量偏差代号为M、K或J。M-±20%，K-±10%，J-±5%，

□:Tolerance: M-±20%，K-±10%，J-±5%，

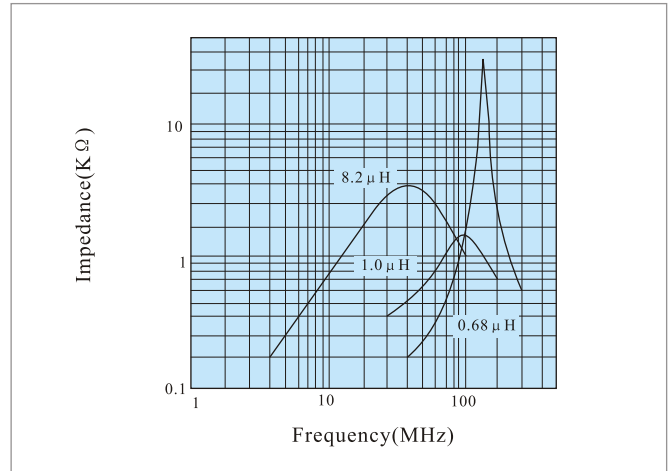
● 电气特性
TYPICAL ELECTRICAL CHARACTERISTICS

■ CI 1005(0402)TYPE

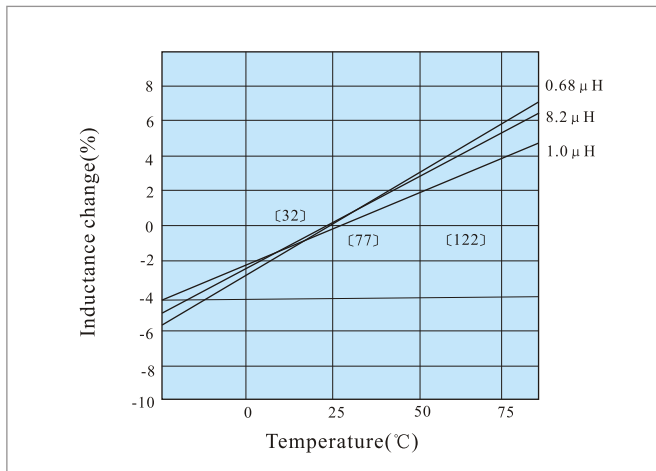
INDUCTANCE vs DC CURRENT CHARACTERISTICS



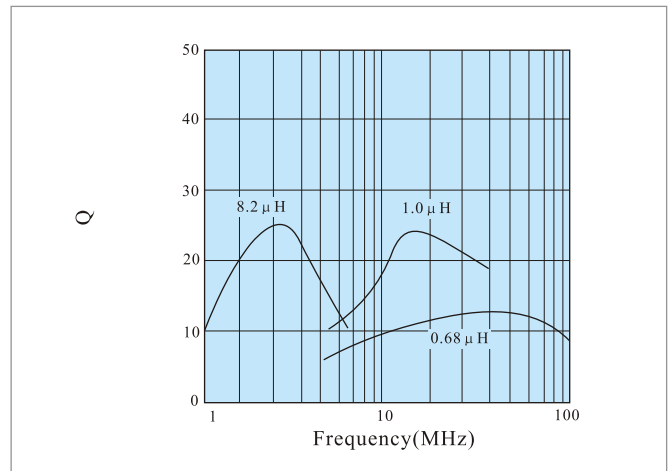
IMPEDANCE vs FREQUENCY CHARACTERISTICS



INDUCTANCE vs TEMPERATURE CHARACTERISTICS

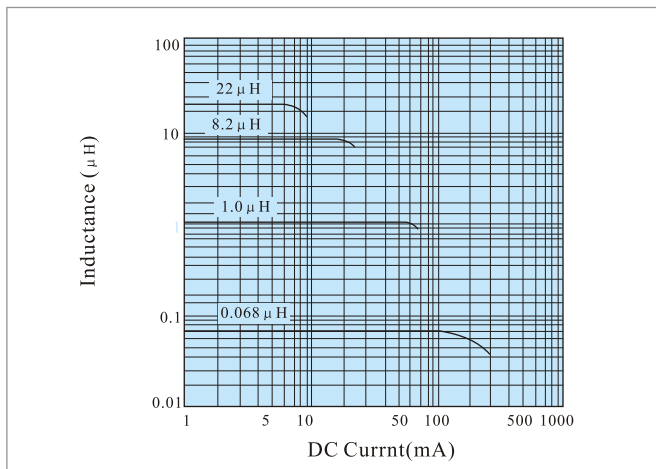


Q vs FREQUENCY CHARACTERISTICS

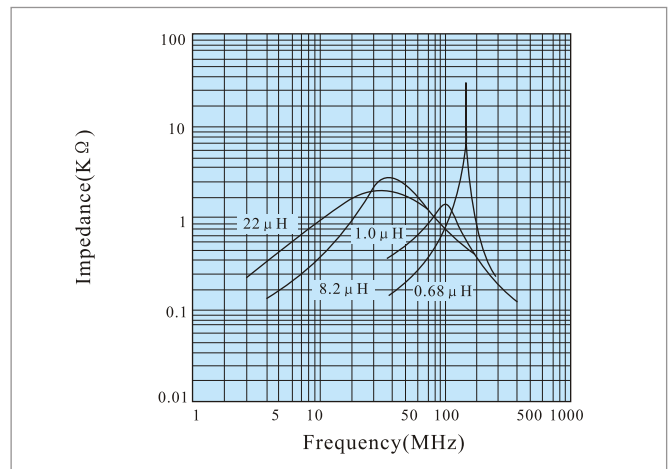


■ CI 1608(0603)TYPE

INDUCTANCE vs DC CURRENT CHARACTERISTICS



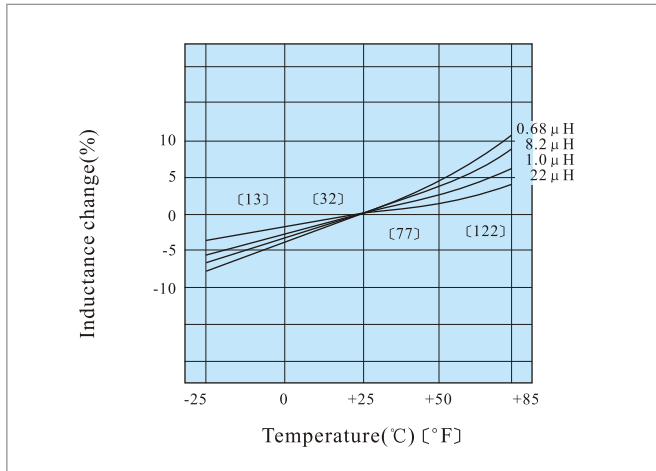
IMPEDANCE vs FREQUENCY CHARACTERISTICS



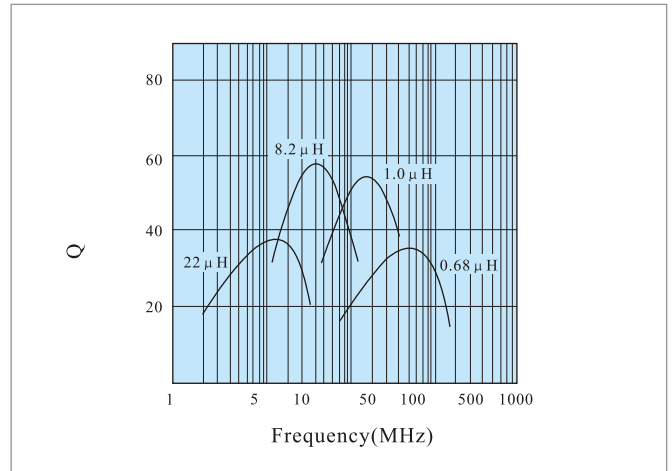
● 电气特性
TYPICAL ELECTRICAL CHARACTERISTICS

■ CI 1608(0603)TYPE

INDUCTANCE vs TEMPERATURE CHARACTERISTICS

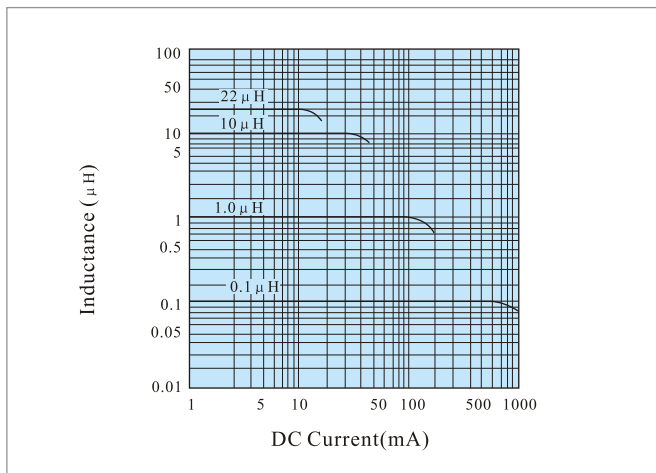


Q vs FREQUENCY CHARACTERISTICS

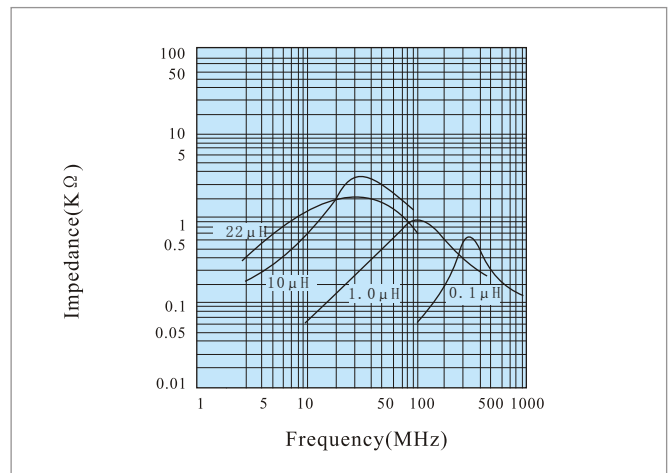


■ CI 2012(0805)TYPE

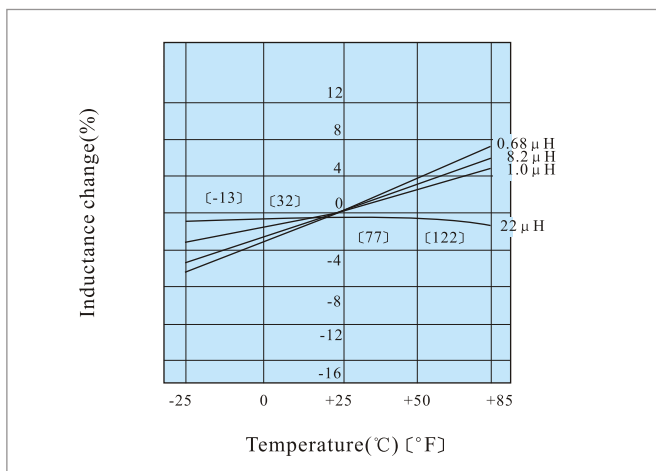
INDUCTANCE vs DC CURRENT CHARACTERISTICS



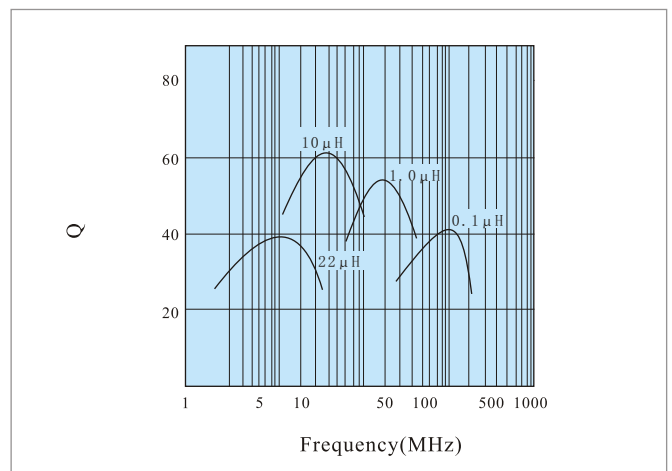
IMPEDANCE vs FREQUENCY CHARACTERISTICS



INDUCTANCE vs TEMPERATURE CHARACTERISTICS



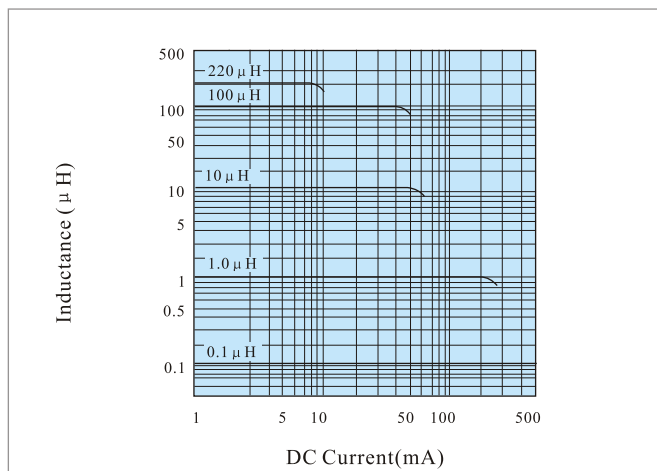
Q vs FREQUENCY CHARACTERISTICS



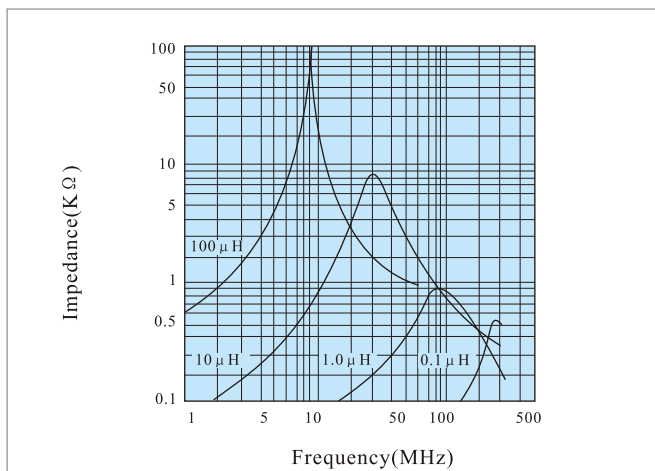
● 电气特性
TYPICAL ELECTRICAL CHARACTERISTICS

■ CI 3216(1206)TYPE

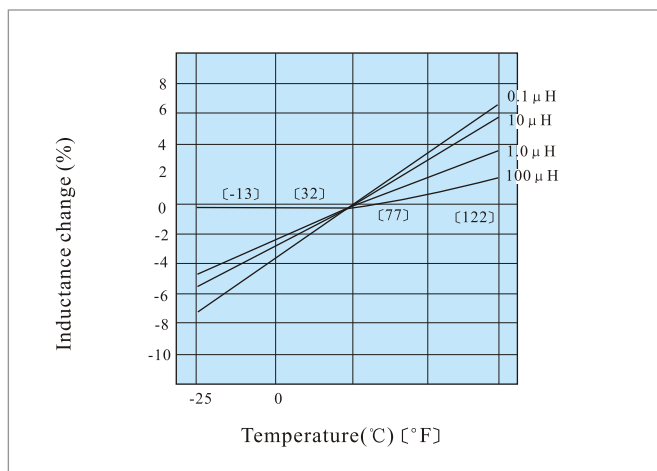
INDUCTANCE vs DC CURRENT CHARACTERISTICS



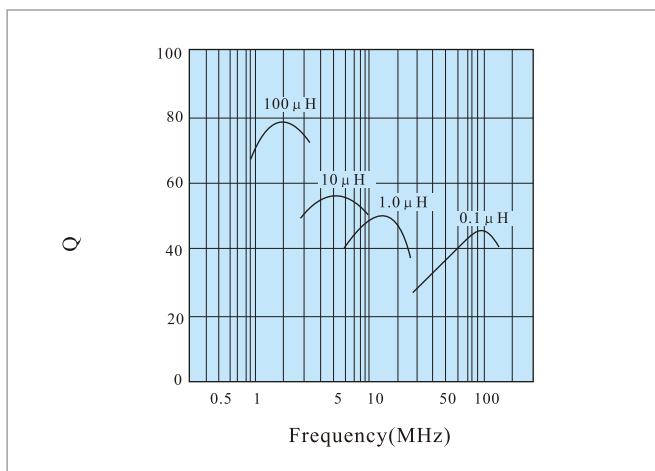
IMPEDANCE vs FREQUENCY CHARACTERISTICS



INDUCTANCE vs TEMPERATURE CHARACTERISTICS

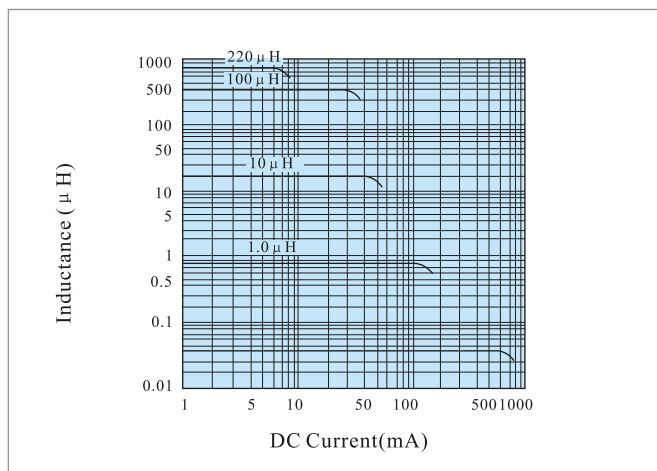


Q vs FREQUENCY CHARACTERISTICS



■ CI 3225(1210)TYPE

INDUCTANCE vs DC CURRENT CHARACTERISTICS



IMPEDANCE vs FREQUENCY CHARACTERISTICS

