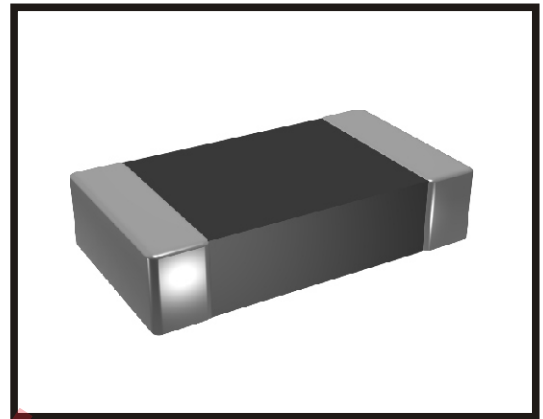




■ 铁氧体片式电感器 FERRITE MULTILAYER CHIP INDUCTOR

● 特征 FEATURES

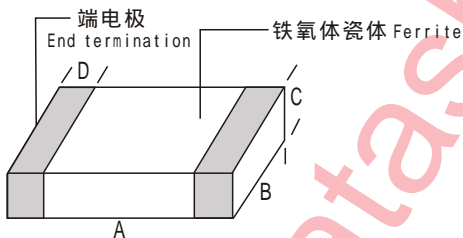
- * 体积更小；
- * 漏磁小，因此片感之间不产生互耦合，可靠性高；
- * 无引线，不产生跟踪性，适合高密度表面贴装；
- * 优良的可焊性及耐热冲击性；
- * 适合波峰焊与回流焊。
- * Miniature.
- * No cross coupling between inductors due to low magnetic shield.
- * No lead, ideal for high density SMT installation, with no directionality.
- * Superior solderability and resistance to soldering heat.
- * Ideal for wave or reflow soldering.
- *



● 订货方式 HOW TO ORDER

CMI	0805	V	56N	M	T
产品代号 Product Code	规格尺寸(长×宽×厚inch) Dimensions	材料代码 Material Code	标称电感量(μH) Nominal Inductance	误差 Tolerance	包装方式 Packaging Style
	0402 0.4×0.2×0.2	V	56N=0.056	K ±10%	B 散包装 Bulk
	0603 0.6×0.3×0.3	U	2R2=2.2	M ±20%	T 编带包装 Tape & Reel
	0805 0.8×0.5×0.3	J	270=27		
	0805-A 0.8×0.5×0.5	X			
	1206 1.2×0.6×0.4				
	1210 1.2×1.0×0.5				
	1210-A 1.2×1.0×1.0				
	1806 1.8×0.6×0.6				
	1812 1.8×1.2×0.6				

● 外形尺寸 SHAPE AND DIMENSIONS



单位unit : inch

型号 code	A	B	C	D
0402	0.040±0.006	0.020±0.006	0.020±0.006	0.01±0.004
0603	0.063±0.008	0.031±0.008	0.031±0.008	0.01±0.008
0805	0.079±0.008	0.047±0.008	0.035±0.008	0.020±0.012
0805-A	0.079±0.008	0.047±0.008	0.047±0.008	0.020±0.012
1206	0.126±0.008	0.063±0.008	0.043±0.008	0.020±0.012
1210	0.126±0.008	0.098±0.008	0.051±0.008	0.020±0.012
1210-A	0.126±0.008	0.098±0.008	0.098±0.008	0.020±0.012
1806	0.177±0.008	0.063±0.008	0.063±0.008	0.020±0.012
1812	0.177±0.008	0.126±0.008	0.060±0.008	0.020±0.012

■电性能参数 ELECTRICAL CHARACTERISTICS

●1206型 TYPE

型号 Part No.	感 量(μH) Inductance	Q MIN.	L,Q测试频率 Test Frequency (MHz)	自谐振频率 Self-Resonant (MHz)MIN.	直流电阻 DC Resistance ()MAX.	额定电流 Rated Current (mA)MAX
CMI1206 47N	0.047	30	50	320	0.15	300
CMI1206 56N	0.056	30	50	320	0.20	300
CMI1206 68N	0.068	30	50	280	0.25	300
CMI1206 82N	0.082	30	50	280	0.25	300
CMI1206 R10	0.10	30	25	235	0.25	250
CMI1206 R12	0.12	30	25	220	0.30	250
CMI1206 R15	0.15	30	25	200	0.30	250
CMI1206 R18	0.18	30	25	185	0.40	250
CMI1206 R22	0.22	30	25	170	0.40	250
CMI1206 R27	0.27	30	25	150	0.50	250
CMI1206 R33	0.33	30	25	145	0.50	250
CMI1206 R39	0.39	35	25	135	0.60	200
CMI1206 R39	0.47	35	25	125	0.60	200
CMI1206 R47	0.56	35	25	115	0.70	150
CMI1206 R56	0.68	35	25	105	0.80	150
CMI1206 R68	0.82	35	25	100	0.90	150
CMI1206 R82	1.0	50	10	75	0.40	100
CMI1206 1R0	1.2	50	10	65	0.50	100
CMI1206 1R2	1.5	50	10	60	0.50	50
CMI1206 1R5	1.8	50	10	55	0.50	50
CMI1206 1R8	2.2	50	10	50	0.50	50
CMI1206 2R2	2.7	50	10	45	0.60	50
CMI1206 2R7	3.3	50	10	41	0.70	50
CMI1206 3R3	3.9	50	10	38	0.80	50
CMI1206 3R9	4.7	50	10	35	0.90	25
CMI1206 4R7	5.6	50	4	32	0.70	25
CMI1206 5R6	6.8	50	4	29	0.80	25
CMI1206 6R8	8.2	50	4	26	0.90	25
CMI1206 8R2	10.0	50	2	24	1.00	25
CMI1206 12.0	12.0	50	2	22	1.05	15
CMI1206 15.0	15.0	35	1	19	0.70	5
CMI1206 18.0	18.0	35	1	18	0.70	5
CMI1206 22.0	22.0	35	1	16	0.90	5
CMI1206 27.0	27.0	35	1	14	0.90	5
CMI1206 33.0	33.0	35	1	13	1.05	5
CMI1206 39.0	39.0	40	1	13	1.20	5
CMI1206 47.0	47.0	40	1	12	1.40	5
CMI1206 56.0	56.0	40	1	12	1.60	5
CMI1206 68.0	68.0	40	1	11	1.80	5
CMI1206 82.0	82.0	40	1	11	2.20	5
CMI1206 100.0	100.0	40	1	9	2.60	5
CMI1206 120.0	120.0	30	1	9	2.90	5
CMI1206 101						
CMI1206 121						

* 注：第一个“ ”表示材料代号；第二个“ ”表示电感量误差 (K级：±10%，M级：±20%)；第三个“ ”表示产品包装类型 (B：散装，T：编带包装)。



● 0805型 TYPE

型 号 Part No.	感 量(μH) Inductance	Q MIN.	L,Q测试频率 Test Frequency (MHz)	自谐振频率 Self-Resonant (MHz)MIN.	直流电阻 DC Resistance ()MAX.	额定电流 Rated Current (mA)MAX
CMI0805 47N	0.047	25	50	320	0.15	300
CMI0805 56N	0.056	25	50	320	0.20	300
CMI0805 68N	0.068	25	50	280	0.25	300
CMI0805 82N	0.082	25	50	280	0.25	300
CMI0805 R10	0.10	25	25	235	0.25	250
CMI0805 R12	0.12	25	25	220	0.30	250
CMI0805 R15	0.15	25	25	200	0.30	250
CMI0805 R18	0.18	25	25	185	0.40	250
CMI0805 R22	0.22	25	25	170	0.40	250
CMI0805 R27	0.27	25	25	150	0.50	250
CMI0805 R33	0.33	25	25	145	0.50	250
CMI0805 R39	0.39	30	25	135	0.60	200
CMI0805 R47	0.47	30	25	125	0.60	200
CMI0805 R56	0.56	30	25	115	0.70	150
CMI0805 R68	0.68	30	25	105	0.80	150
CMI0805 R82	0.82	30	25	100	0.90	150
CMI0805 R100	1.0	45	10	75	0.40	100
CMI0805 R120	1.2	45	10	65	0.50	100
CMI0805 R150	1.5	45	10	60	0.50	50
CMI0805 R180	1.8	45	10	55	0.50	50
CMI0805 R220	2.2	45	10	50	0.60	50
CMI0805 R270	2.7	45	10	45	0.60	50
CMI0805 R330	3.3	45	10	41	0.70	50
CMI0805 R390	3.9	45	10	38	0.80	50
CMI0805 R470	4.7	45	10	35	0.90	25
CMI0805 R560	5.6	50	4	32	0.70	25
CMI0805 R680	6.8	50	4	29	0.80	25
CMI0805 R820	8.2	50	4	26	0.90	25
CMI0805 R1000	10.0	50	2	24	1.00	25
CMI0805 R1200	12.0	50	2	22	1.05	15
CMI0805 R1500	15.0	30	1	19	0.70	5
CMI0805 R1800	18.0	30	1	18	0.70	5
CMI0805 R2200	22.0	30	1	16	0.90	5
CMI0805 R2700	27.0	30	1	16	1.20	5
CMI0805 R3300	33.0	30	1	16	1.40	5
CMI0805 R3900	39.0	35	1	16	1.50	5
CMI0805 R4700	47.0	35	1	15	1.60	5
CMI0805 R5600	56.0	35	1	15	1.80	5
CMI0805 R6800	68.0	25	1	15	2.00	5
CMI0805 R8200	82.0	25	1	11	2.50	5
CMI0805 680						
CMI0805 820						

* 注：第一个“ ”表示材料代号；第二个“ ”表示电感量误差（K级：±10%，M级：±20%）；第三个“ ”表示产品包装类型（B：散装，T：编带包装）。

FERRITE MULTILAYER CHIP INDUCTOR

●0603型 TYPE

型 号 Part No.	感 量(μH) Inductance	Q MIN.	L,Q测试频率 Test Frequency (MHz)	自谐振频率 Self-Resonant (MHz)MIN.	直流电阻 DC Resistance ()MAX.	额定电流 Rated Current (mA)MAX
CM10603 47N	0.047	15	50	260	0.30	50
CM10603 56N	0.056	15	50	260	0.30	50
CM10603 68N	0.068	15	50	250	0.30	50
CMT0603 82N	0.082	15	50	245	0.30	50
CM10603 R10	0.10	20	25	240	0.50	50
CM10603 R12	0.12	20	25	205	0.50	50
CM10603 R15	0.15	20	25	180	0.60	50
CM10603 R18	0.18	20	25	165	0.60	50
CM10603 R22	0.22	20	25	150	0.80	50
CM10603 R27	0.27	20	25	136	0.80	50
CM10603 R33	0.33	20	25	125	0.85	35
CM10603 R39	0.39	20	25	110	1.00	35
CM10603 R39	0.47	20	25	105	1.35	35
CMT0603 R47	0.56	20	25	95	1.55	35
CMT0603 R56	0.68	20	25	90	1.70	35
CM10603 R68	0.82	20	25	85	2.10	35
CM10603 R82	1.0	35	10	75	0.60	25
CM10603 1R0	1.2	35	10	65	0.80	25
CM10603 1R2	1.5	35	10	60	0.80	25
CM10603 1R5	1.8	35	10	55	0.95	25
CM10603 1R8	2.2	35	10	50	1.15	25
CM10603 2R2	2.7	35	10	45	1.35	15
CM10603 2R7	3.3	35	10	40	1.55	15
CMT0603 3R3	3.9	35	10	35	1.70	15
CM10603 3R9	4.7	35	10	33	2.10	15
CM10603 4R7	5.6	35	4	22	1.55	5
CM10603 5R6	6.8	35	4	20	1.70	5
CM10603 6R8	8.2	35	4	18	2.10	5
CM10603 8R2	10.0	30	2	17	2.15	3
CM10603 12.0	12.0	30	2	15	2.35	3
CM10603 100	15.0	20	1	14	1.70	1
CM10603 120	18.0	20	1	13	1.85	1
CM10603 150	22.0	20	1	11	2.10	1
CMT0603 180	27.0	20	1	10	2.75	1
CM10603 220	33.0	20	1	9	2.95	1
CM10603 270						
CM10603 330						

* 注：第一个“ ”表示材料代号；第二个“ ”表示电感量误差 (K级：±10%，M级：±20%)；第三个“ ”表示产品包装类型 (B：散装，T：编带包装)。



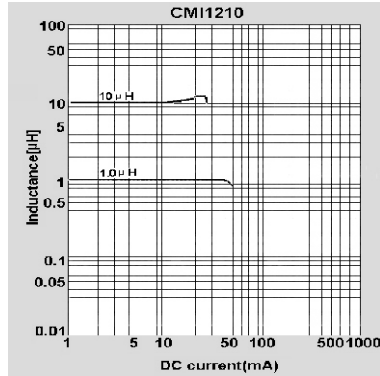
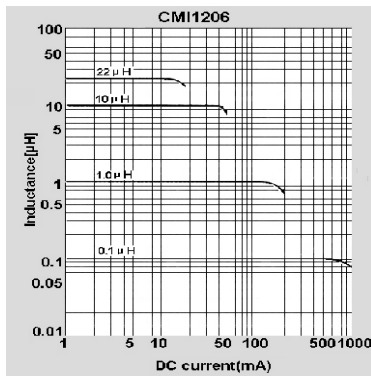
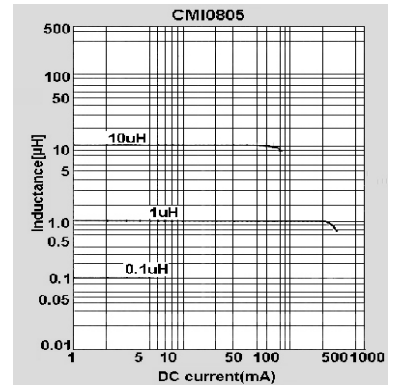
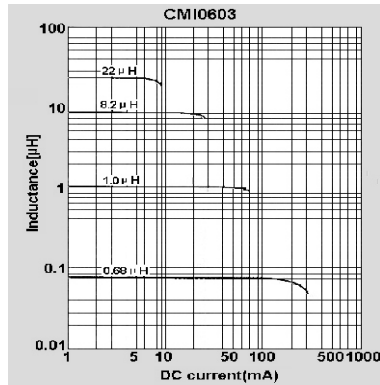
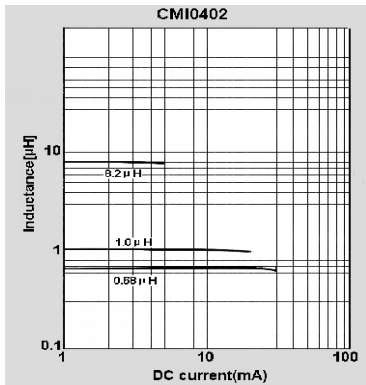
● 0402型 TYPE

型号 Part No.	感 量(μ H) Inductance	Q MIN.	L, Q测试频率 Test Frequency (MHz)	自谐振频率 Self-Resonant (MHz)MIN.	直流电阻 DC Resistance ()MAX.	额定电流 Rated Current (mA)MAX
CM10402 47N	0.047	10	50	220	0.45	25
CM10402 56N	0.056	10	50	210	0.45	25
CM10402 68N	0.068	10	50	210	0.45	25
CMT0402 82N	0.082	10	50	200	0.45	25
CM10402 R10	0.10	15	25	200	0.7	25
CM10402 R12	0.12	15	25	165	0.7	25
CM10402 R15	0.15	15	25	140	0.8	25
CM10402 R18	0.18	15	25	120	0.8	25
CM10402 R22	0.22	15	25	110	1.0	25
CM10402 R27	0.27	15	25	95	1.2	25
CM10402 R33	0.33	15	25	85	1.2	25
CM10402 R39	0.39	15	25	70	1.3	20
CM10402 R39	0.47	15	25	68	1.5	20
CMT0402 R47	0.56	15	25	55	2.0	20
CMT0402 R56	0.68	15	25	50	2.3	20
CM10402 R68	0.82	15	25	45	3.0	18
CM10402 R82	1.0	20	10	40	0.9	25
CM10402 1R0	1.2	20	10	35	1.2	25
CM10402 1R2	1.5	20	10	30	1.3	20
CM10402 1R5	1.8	20	10	30	1.4	20
CM10402 1R8	2.2	20	10	28	1.7	20
CM10402 2R2	2.7	20	10	22	1.9	20
CM10402 2R7	3.3	20	10	20	2.0	20
CMT0402 3R3	3.9	20	10	18	2.2	20
CM10402 3R9	4.7	20	10	15	2.5	18
CM10402 4R7	5.6	20	4	13	2.2	18
CM10402 5R6	6.8	20	4	11	2.4	18
CM10402 6R8	8.2	20	4	10	2.9	18
CM10402 8R2	10	20	2	9	3.1	10
CM10402 12	12	20	2	8	3.3	5
CM10402 100	15	20	1	8	3.5	5
CM10402 120	18	20	1	8	3.5	5
CM10402 150						
CMT0402 180						

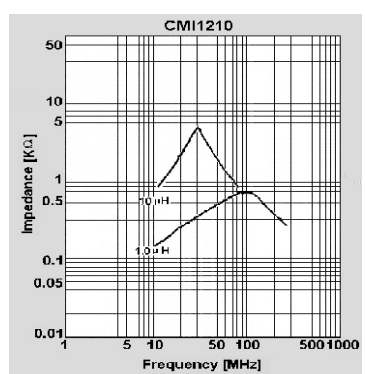
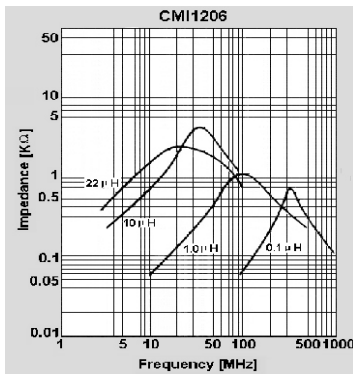
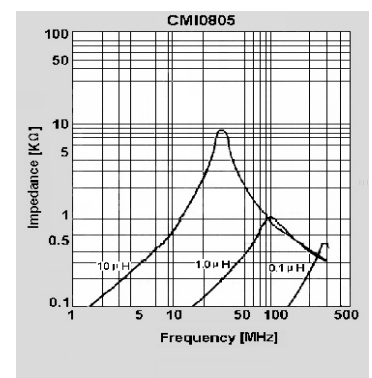
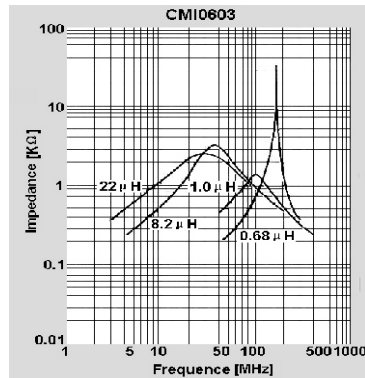
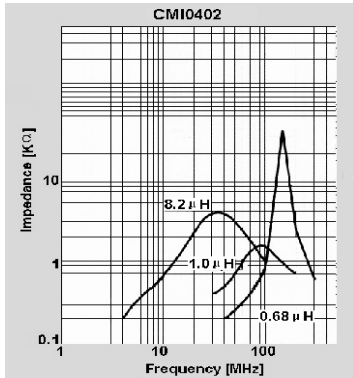
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■ 典型的电气特性 TYPICAL CHARACTERISTICS

● 电感量——直流偏置特性 Inductance VS. DC Bias

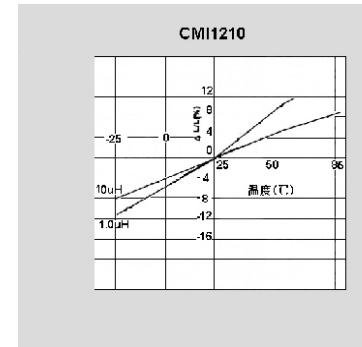
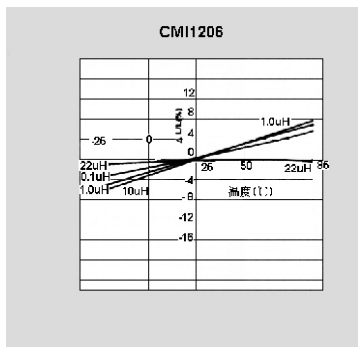
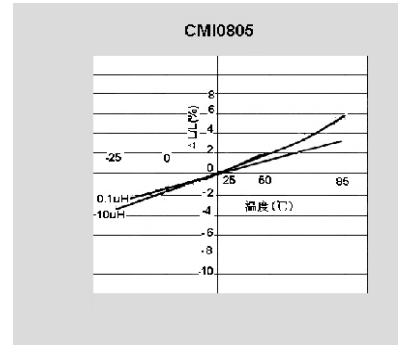
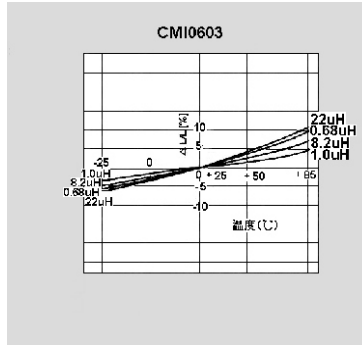
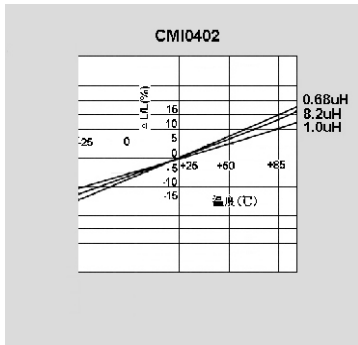


● 阻抗——频率特性 Impedance VS. Frequency





• 电感量——温度特性 Inductance VS. Temperature



• Q量——频率特性 Q Value VS. Frequency

