

片式电感 CHIP INDUCTOR

产品型号 PRODUCT IDENTIFICATION

FL 1608 Q 1R0 K I F
 ① ② ③ ④ ⑤ ⑥ ⑦

①分类 Type	
FL	片式铁氧体电感 Chip Ferrite Inductor
CL	片式陶瓷体电感 Chip Ceramic Inductor
WL	片式绕线电感 Chip Wire Wound Inductor

②外形尺寸 Dimensions (L×W) (mm)	
1005[0402]	1.0×0.5
1608[0603]	1.6×0.8
2012[0805]	2.0×1.25
3216[1206]	3.2×1.6
2520[1008]	2.5×2.0
3216[1206]	3.2×1.6
4532[1812]	4.5×3.2

③材料代号 Material Code
L, P, Q, S, T

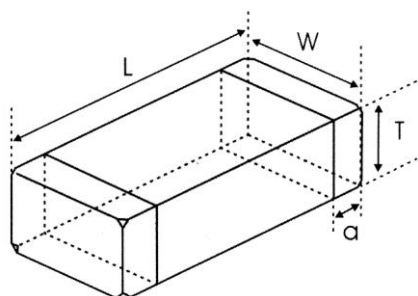
④公称电感量 Nominal Inductance	
Example	Nominal Value
1R0	1.0μH
R10	0.1μH
47N	47NH
220	22μH

⑤电感公差 Inductance Tolerance	
J	±5%
K	±10%
M	±20%
S	±0.3NH

⑥包装 Packing	
B / T	散装 Bulk Package / 编带 Tape

⑦无铅产品 Lead Free Products
F

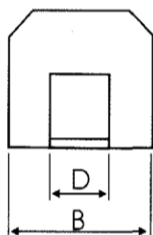
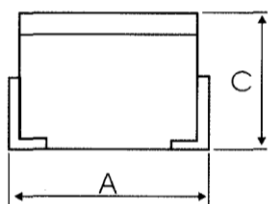
外观尺寸 SHAPE AND DIMENSIONS



Unit: mm[inch]

Type	L	W	T	A
1005 [0402]	1.0±0.15 [.039±.006]	0.5±0.15 [.02±.006]	0.5±0.15 [.02±.006]	0.25±0.1 [.01±.004]
1608 [0603]	1.6±0.15 [.063±.006]	0.8±0.15 [.031±.006]	0.8±0.15 [.031±.006]	0.3±0.2 [.012±.008]
2012 [0805]	2.0±0.2 [.079±.01]	1.25±0.2 [.049±.008]	0.85±0.2 [.033±.008]	0.5±0.3 [.020±.012]
3216 [1206]	3.2±0.2 [.126±.008]	1.6±0.2 [.063±.008]	0.85±0.2 [.033±.008]	0.5±0.3 [.020±.012]

Unit: mm[inch]



Type	A	B	C	D
2520 [1008]	2.5±0.2 [.1±.008]	2.0±0.15 [.08±.006]	1.8±0.15 [.07±.006]	0.45 [0.018]
3225 [1210]	3.2±0.2 [.12±.008]	2.5±0.2 [.1±.008]	2.2±0.2 [.09±.008]	0.5 [0.02]
4532 [1812]	4.5±0.2 [.18±.008]	3.2±0.2 [.12±.008]	3.2±0.2 [.12±.008]	1.0 [0.04]

*电感 1005[0402]-3216[1206]的尺寸与磁珠同。

The dimensions of the type 1005[0402]-3216[1206] is the same with BEAD's dimensions.

包 装

PACKAGING

TYPE	1005[0402]	1608[0603]	2012[0805]	3216[1206]	3225[1210]	4532[1812]
Q'TY	10K	4K	3K/4K	3K	2K	1K/2K

规格参数 SPECIFICATIONS

FL1005

Part No.	L (uH)	Q Min	L.Q test Frequency (MHz)	SRF (MHz) min	DCR (Ω)Max	Ir (mA) max
FL1005LR10	0.100	15	50	200	0.80	25
FL1005LR12	0.120	15	25	165	0.80	25
FL1005LR15	0.150	15	25	140	0.90	25
FL1005LR18	0.180	15	25	120	0.90	25
FL1005LR22	0.220	15	25	110	1.20	25
FL1005LR27	0.270	15	25	95	1.20	25
FL1005LR33	0.330	15	25	85	1.25	18
FL1005LR39	0.390	15	25	70	1.50	18
FL1005LR47	0.470	15	25	68	2.00	18
FL1005LR56	0.560	15	25	55	2.35	18
FL1005LR68	0.680	15	25	50	2.55	18
FL1005LR82	0.820	15	25	45	3.15	18
FL1005P1R0	1.000	20	10	60	1.00	15
FL1005Q1R0	1.000	20	10	40	0.90	15
FL1005P1R2	1.200	20	10	55	1.25	15
FL1005Q1R2	1.200	20	10	35	1.20	15
FL1005P1R5	1.500	20	10	50	1.40	15
FL1005Q1R5	1.500	20	10	30	1.20	15
FL1005P1R8	1.800	20	10	45	1.55	15
FL1005Q1R8	1.800	20	10	30	1.45	15
FL1005P2R2	2.200	20	10	40	1.70	10
FL1005Q2R2	2.200	20	10	28	1.70	10
FL1005Q2R7	2.700	20	10	22	2.00	10
FL1005Q3R3	3.300	20	10	20	2.35	10
FL1005Q3R9	3.900	20	10	18	2.55	10
FL1005Q4R7	4.700	20	10	15	3.15	10
FL1005S5R6	5.600	20	4	13	2.35	3
FL1005S6R8	6.800	20	4	11	2.55	3
FL1005S8R2	8.200	20	4	10	3.15	3
FL1005S100	10.00	20	2	9	3.45	2

FL1608

Part No.	L (uH)	Q Min	L.Q test Frequency (MHz)	SRF (MHz) min	DCR (Ω)Max	Ir (mA) max
FL1608LR10	0.100	15	50	240	0.50	50
FL1608LR12	0.120	15	25	205	0.50	50
FL1608LR15	0.150	15	25	180	0.60	50
FL1608LR18	0.180	15	25	165	0.60	50
FL1608LR22	0.220	15	25	150	0.80	50
FL1608LR27	0.270	15	25	136	0.80	50
FL1608LR33	0.330	15	25	125	0.85	35
FL1608LR39	0.390	15	25	110	1.00	35
FL1608LR47	0.470	15	25	105	1.35	35
FL1608LR56	0.560	15	25	95	1.55	35
FL1608LR68	0.680	15	25	90	1.70	35
FL1608LR82	0.820	15	25	85	2.10	35
FL1608P1R0	1.000	35	10	90	0.60	25
FL1608Q1R0	1.000	35	10	75	0.60	25
FL1608P1R2	1.200	35	10	85	0.80	25
FL1608Q1R2	1.200	35	10	65	0.80	25
FL1608P1R5	1.500	35	10	80	0.80	25
FL1608Q1R5	1.50	35	10	60	0.80	25
FL1608P1R8	1.80	35	10	75	0.95	25
FL1608Q1R8	1.80	35	10	55	0.95	25
FL1608P2R2	2.20	35	10	70	1.15	15
FL1608Q2R2	2.20	35	10	50	1.15	15
FL1608Q2R7	2.70	35	10	45	1.35	15
FL1608Q3R3	3.30	35	10	40	1.55	15
FL1608Q3R9	3.90	35	10	35	1.70	15
FL1608Q4R7	4.70	35	10	33	2.10	15
FL1608S5R6	5.60	35	4	22	1.55	5
FL1608S6R8	6.80	35	4	20	1.70	5
FL1608S8R2	8.20	35	4	18	2.10	5
FL1608S100	10.00	30	2	17	1.85	3
FL1608S120	12.00	30	2	15	2.10	3
FL1608T150	15.00	20	1	14	1.70	1
FL1608T180	18.00	20	1	13	1.85	1
FL1608T220	22.00	20	1	11	2.10	1

Part No.	L (uH)	Q Min	L.Q test Frequency (MHz)	SRF (MHz) min	DCR (Ω)Max	Ir (mA) max
FL2012LR10	0.100	20	50	235	0.30	250
FL2012LR12	0.120	20	25	220	0.30	250
FL2012LR15	0.150	20	25	200	0.40	250
FL2012LR18	0.180	20	25	185	0.40	250
FL2012LR22	0.220	20	25	170	0.50	250
FL2012LR27	0.270	20	25	150	0.50	250
FL2012LR33	0.330	20	25	145	0.55	250
FL2012LR39	0.390	25	25	135	0.65	200
FL2012LR47	0.470	25	25	125	0.65	200
FL2012LR56	0.560	25	25	115	0.75	150
FL2012LR68	0.680	25	25	105	0.80	150
FL2012LR82	0.820	25	25	100	1.00	150
FL2012P1R0	1.000	45	10	95	0.40	50
FL2012Q1R0	1.000	45	10	75	0.40	50
FL2012P1R2	1.200	45	10	85	0.50	50
FL2012Q1R2	1.200	45	10	65	0.50	50
FL2012P1R5	1.500	45	10	80	0.50	50
FL2012Q1R5	1.50	45	10	60	0.50	50
FL2012P1R8	1.80	45	10	75	0.60	50
FL2012Q1R8	1.80	45	10	55	0.60	50
FL2012P2R2	2.20	45	10	70	0.65	30
FL2012Q2R2	2.20	45	10	50	0.65	30
FL2012Q2R7	2.70	45	10	45	0.75	30
FL2012Q3R3	3.30	45	10	41	0.80	30
FL2012Q3R9	3.90	45	10	38	0.90	30
FL2012Q4R7	4.70	45	10	35	1.00	30
FL2012S5R6	5.60	50	4	32	0.90	15
FL2012S6R8	6.80	50	4	29	1.00	15
FL2012S8R2	8.20	50	4	26	1.10	15
FL2012S100	10.00	50	2	24	1.15	15
FL2012S120	12.00	50	2	22	1.25	15
FL2012T150	15.00	30	1	19	0.80	5
FL2012T180	18.00	30	1	18	0.90	5
FL2012T220	22.00	30	1	16	1.10	5

Part No.	L (uH)	Q Min	L.Q test Frequency (MHz)	SRF (MHz) min	DCR (Ω)Max	Ir (mA) max
FL3216LR10	0.100	20	50	235	0.25	250
FL3216LR12	0.120	20	25	220	0.30	250
FL3216LR15	0.150	20	25	200	0.30	250
FL3216LR18	0.180	20	25	185	0.40	250
FL3216LR22	0.220	20	25	170	0.40	250
FL3216LR27	0.270	20	25	150	0.50	250
FL3216LR33	0.330	20	25	145	0.60	250
FL3216LR39	0.390	25	25	135	0.50	200
FL3216LR47	0.470	25	25	125	0.60	200
FL3216LR56	0.560	25	25	115	0.70	150
FL3216LR68	0.680	25	25	105	0.80	150
FL3216LR82	0.820	25	25	100	0.90	150
FL3216Q1R0	1.000	45	10	75	0.40	100
FL3216Q1R2	1.200	45	10	65	0.50	100
FL3216Q1R5	1.500	45	10	60	0.50	50
FL3216Q1R8	1.800	45	10	55	0.50	50
FL3216Q2R2	2.200	45	10	50	0.60	50
FL3216Q2R7	2.700	45	10	45	0.60	50
FL3216Q3R3	3.300	45	10	41	0.70	50
FL3216Q3R9	3.900	45	10	38	0.80	50
FL3216Q4R7	4.700	45	10	35	0.90	50
FL3216S5R6	5.600	50	4	32	0.70	25
FL3216S6R8	6.800	50	4	29	0.80	25
FL3216S8R2	8.200	50	4	26	0.90	25
FL3216S100	10.00	50	2	24	1.00	25
FL3216S120	12.00	50	2	22	1.05	15
FL3216T150	15.00	35	1	19	0.70	5
FL3216T180	18.00	35	1	18	0.70	5
FL3216T220	22.00	35	1	16	0.90	5
FL3216T270	27.00	35	1	14	0.90	5
FL3216T330	33.00	35	1	13	1.05	5