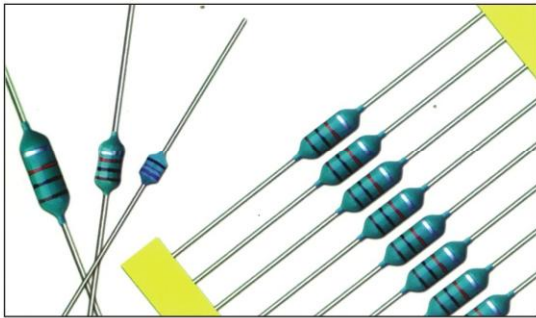
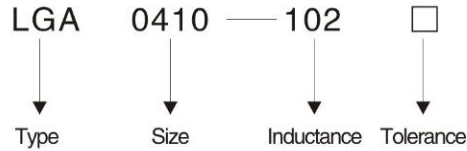


LGA Color Code Inductor



Product Identification



FEATURES&APPLICATIONS

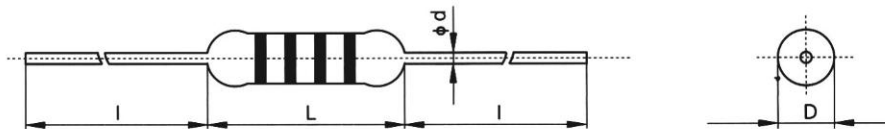
- a) Electronic ballast, Energy-saving lamps.
- b) Television & Audio appliances.
- c) UPS, EMC filter.

APPLICATIONS

- a) High Q value and resonance frequency.
- b) Big inductance value scope.
- c) Color code marking, provide blister tape or lead forming available.

Dimensions(mm)

Part No.	DIMENSIONS(mm)			
	Lmax	Dmax	d±0.1	l±5
LGA0204	4.5	2.3	0.5	28.0
LGA0307	7.0	3.0	0.5	28.0
LGA0410	10.5	4.0	0.6	28.0
LGA0510	10.5	5.0	0.6	28.0
LGA0512	12.5	5.0	0.6	28.0



Electrical Characteristics

LGA0204

L (μH)	Tol ± %	Q min	Fr (MHZ)	S.R.F (MHZ)	Rdc max(Ω)	Idc (mA)	L (μH)	Tol ± %	Q min	Fr (MHZ)	S.R.F (MHZ)	Rdc max(Ω)	Idc (mA)
0.22	20	35	25.2	150	0.4	400	8.2	10	40	7.96	26	2.2	165
0.27	20	35	25.2	150	0.43	380	10	10	40	7.96	24	2.5	160
0.33	20	35	25.2	150	0.48	370	12	10	40	2.52	22	2.5	150
0.39	20	35	25.2	150	0.51	350	15	10	40	2.52	20	2.8	145
0.47	20	35	25.2	150	0.56	330	18	10	40	2.52	18	3.1	140
0.56	20	35	25.2	150	0.61	320	22	10	40	2.52	17	3.4	130
0.68	20	35	25.2	150	0.67	310	27	10	40	2.52	16	4.3	80
0.82	20	35	25.2	150	0.74	290	33	10	40	2.52	14	4.7	76
1	20	35	25.2	150	0.8	270	39	10	40	2.52	13	5.2	74
1.2	20	40	7.96	110	0.9	260	47	10	40	2.52	12	5.8	70
1.5	20	40	7.96	80	1	250	56	10	40	2.52	11	6.4	68
1.8	20	40	7.96	60	1.1	240	68	10	40	2.52	10	7.2	64
2.2	20	40	7.96	45	1.2	230	82	10	40	2.52	9.5	11	46
2.7	20	40	7.96	40	1.3	220	100	10	40	2.52	9	12	44
3.3	10	40	7.96	38	1.4	210	120	10	40	0.796	8	13	42
3.9	10	40	7.96	35	1.6	200	150	10	40	0.796	6	16	39
4.7	10	40	7.96	32	1.7	190	180	10	40	0.796	5.5	18	37
5.6	10	40	7.96	30	1.9	180	220	10	40	0.796	5	20	35
6.8	10	40	7.96	28	2	175							

LGA Color Code Inductor



LGA0305

L (μH)	Tol ±%	Q min	Fr (MHz)	S.R.F (MHz)	Rdc max(Ω)	Idc (mA)	L (μH)	Tol ±%	Q min	Fr (MHz)	S.R.F (MHz)	Rdc max(Ω)	Idc (mA)
0.22	20	35	25.2	150	0.4	400	8.2	10	50	7.96	25	2.2	165
0.27	20	35	25.2	150	0.43	380	10	10	50	7.96	21	2.5	160
0.33	20	35	25.2	150	0.48	370	12	10	50	2.52	19	2.5	150
0.39	20	35	25.2	150	0.51	350	18	10	50	2.52	17	2.8	145
0.47	20	35	25.2	150	0.56	330	15	10	50	2.52	13	3.1	140
0.56	20	40	25.2	150	0.61	320	22	10	50	2.52	9.6	3.4	130
0.68	20	40	25.2	150	0.67	310	27	10	50	2.52	7.2	3.8	125
0.82	20	40	25.2	150	0.74	290	33	10	50	2.52	6.3	4.1	120
1	20	40	25.2	150	0.8	270	39	10	50	2.52	6.3	4.5	115
1.2	20	50	7.96	144	0.9	260	47	10	50	2.52	6.3	4.9	110
1.5	20	50	7.96	131	1	250	56	10	50	2.52	6.2	5.3	105
1.8	20	50	7.96	121	1.1	240	68	10	50	2.52	5.7	5.8	100
2.2	20	50	7.96	110	1.2	230	82	10	50	2.52	5.3	6.3	95
2.7	20	50	7.96	100	1.3	220	100	10	50	2.52	4.8	7	90
3.3	10	50	7.96	90	1.4	210	120	10	50	0.796	3.8	13	90
3.9	10	50	7.96	60	1.6	200	150	10	50	0.796	3.5	15	85
4.7	10	50	7.96	50	1.7	190	180	10	50	0.796	3.3	16	80
5.6	10	50	7.96	42	1.9	180	220	10	50	0.796	3	17	75
6.8	10	50	7.96	34	2	175	270	10	50	0.796	2.8	19	65

LGA0510

L (μH)	Tol ±%	Q min	Fr (MHz)	S.R.F (MHz)	Rdc max(Ω)	Idc (mA)	L (μH)	Tol ±%	Q min	Fr (MHz)	S.R.F (MHz)	Rdc max(Ω)	Idc (mA)
470	10	60	0.796	1.9	7.7	126	2700	10	40	0.252	0.75	40	75
560	10	50	0.796	1.8	8.5	120	3300	10	40	0.252	0.7	59.5	62
680	10	55	0.796	1.5	9	113	3900	10	40	0.252	0.65	66	59
820	10	45	0.796	1.2	10.5	105	4700	10	40	0.252	0.6	74	55
1000	10	45	0.796	1	14	100	5600	10	30	0.252	0.5	80	40
1200	10	40	0.252	0.95	16.9	95	6800	10	30	0.252	0.45	85	35
1500	10	40	0.252	0.9	21.6	90	8200	10	30	0.252	0.4	95	30
1800	10	40	0.252	0.85	24	85	10000	10	20	0.252	0.35	705	25
2200	10	40	0.252	0.8	34.7	80							

LGA0307

L (μH)	Tol ±%	Q min	Fr (MHz)	S.R.F (MHz)	Rdc max(Ω)	Idc (mA)	L (μH)	Tol ±%	Q min	Fr (MHz)	S.R.F (MHz)	Rdc max(Ω)	Idc (mA)
0.22	20	35	25.2	150	0.4	400	18	10	50	2.52	13	3.1	140
0.27	20	35	25.2	150	0.43	380	22	10	50	2.52	9.6	3.4	130
0.33	20	35	25.2	150	0.48	370	27	10	50	2.52	7.2	3.8	125
0.39	20	35	25.2	150	0.51	350	33	10	50	2.52	6.3	4.1	120
0.47	20	35	25.2	150	0.56	330	39	10	50	2.52	6.3	4.5	115
0.56	20	40	25.2	150	0.61	320	47	10	50	2.52	6.3	4.9	110
0.68	20	40	25.2	150	0.67	310	56	10	50	2.52	6.2	5.3	105
0.82	20	40	25.2	150	0.74	290	68	10	50	2.52	5.7	5.8	100
1	20	40	25.2	150	0.8	270	82	10	50	2.52	5.3	6.3	95
1.2	20	50	7.96	144	0.9	260	100	10	50	2.52	4.8	7	90
1.5	20	50	7.96	131	1	250	120	10	50	0.796	3.8	13	90
1.8	20	50	7.96	121	1.1	240	150	10	50	0.796	3.5	15	85
2.2	20	50	7.96	110	1.2	230	180	10	50	0.796	3.3	16	80
2.7	20	50	7.96	100	1.3	220	220	10	50	0.796	3	17	75
3.3	10	50	7.96	94	1.4	210	270	10	50	0.796	2.8	19	65
3.9	10	50	7.96	65	1.6	200	330	10	50	0.796	2.6	20	60
4.7	10	50	7.96	56	1.7	190	390	10	50	0.796	2.4	22	55
5.6	10	50	7.96	48	1.9	180	470	10	50	0.796	2.25	24	55
6.8	10	50	7.96	37	2	175	560	10	50	0.796	2.1	26	50
8.2	10	50	7.96	25	2.2	165	680	10	50	0.796	1.95	28	45
10	10	50	7.96	21	2.5	160	820	10	50	0.796	1.85	30	40
12	10	50	2.52	19	2.5	150	1000	10	50	0.796	1.4	33	40
15	10	50	2.52	17	2.8	145							

LGA0410

L (μH)	Tol ±%	Q min	Fr (MHz)	S.R.F (MHz)	Rdc max(Ω)	Idc (mA)	L (μH)	Tol ±%	Q min	Fr (MHz)	S.R.F (MHz)	Rdc max(Ω)	Idc (mA)
0.22	20	45	25.2	300	0.1	1400	18	10	50	2.52	13	0.77	430
0.27	20	45	25.2	270	0.11	1320	22	10	50	2.52	9.6	0.84	410
0.33	20	45	25.2	250	0.12	1280	27	10	55	2.52	7.2	0.94	390
0.39	20	45	25.2	230	0.13	1200	33	10	55	2.52	6.6	1.03	370
0.47	20	45	25.2	220	0.14	1150	39	10	50	2.52	6.6	1.12	350
0.56	20	45	25.2	200	0.15	1100	47	10	45	2.52	6.3	1.22	340
0.68	20	45	25.2	190	0.16	1030	56	10	40	2.52	6.2	1.34	320
0.82	20	45	25.2	172	0.17	980	68	10	40	2.52	5.7	1.47	305
1	20	45	25.2	157	0.19	920	82	10	35	2.52	5.3	1.62	290
1.2	20	50	7.96	144	0.21	880	100	10	30	2.52	4.8	1.8	275
1.5	20	50	7.96	131	0.23	830	120	10	55	0.796	3.8	3.7	185
1.8	20	55	7.96	121	0.25	790	150	10	45	0.796	3.5	4.2	175
2.2	20	55	7.96	110	0.28	750	180	10	50	0.796	3.3	4.6	165
2.7	20	60	7.96	100	0.3	720	220	10	55	0.796	3	5.1	155
3.3	10	65	7.96	94	0.34	670	270	10	65	0.796	2.8	5.8	145
3.9	10	65	7.96	55	0.37	640	330	10	65	0.796	2.6	6.4	137
4.7	10	70	7.96	56	0.39	620	390	10	65	0.796	2.4	7	133
5.6	10	70	7.96	48	0.43	590	470	10	60	0.796	2.25	7.7	126
6.8	10	75	7.96	37	0.48	550	560	10	60	0.796	2.1	8.5	120
8.2	10	80	7.96	25	0.52	530	680	10	55	0.796	1.95	9.4	113
10	10	65	7.96	21	0.58	500	820	10	55	0.796	1.85	10.5	105
12	10	50	2.52	19	0.63	480	1000	10	50	0.796	1.4	14	100
15	10	50	2.52	17	0.72	460							