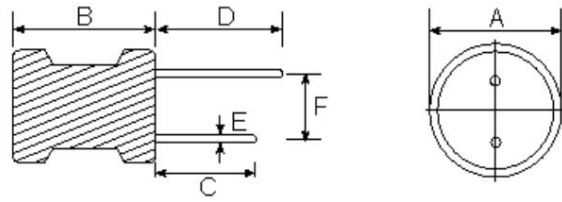
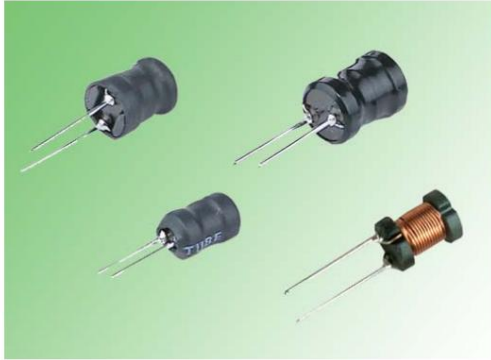




Diagram and size: (unit: mm)



Product number	A(MAX)	B(MAX)	C(MIN)	D(MIN)	AND	F
LGB0406	5.0	8.0	10mm	15mm	0.5±0.1	2.0±0.5
LGB0608	7.0	10.0	10mm	15mm	0.6±0.1	2.5±0.5
LGB0810	9.0	12.5	10mm	15mm	0.6±0.1	5.0±1.0
LGB1012	12.0	15.0	10mm	15mm	0.8±0.1	6.0±1.0

feature:

1. Small vertical inductor, occupying little installation space.
2. Small distributed capacitance and high self-resonant frequency.
2. The special guide pin structure is not easy to produce open circuit phenomenon.
4. Protect with PVC or UL heat shrink tubing.
5. Lead-free and environmentally friendly.

Description of product number:

LGB 0608 – 101 K

1	2	3	4	—
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1. Product type: I-shaped inductors.
2. Style: According to the size of the iron core.
3. Inductance value: eg "101" means 100 uH.
4. Inductance tolerance: "M" :+20% ; "K" :+10% ; "J" :+5%_ _ _

Inductance and rated current range:

LGB0406	1.0uH ~ 50mH	2.0A ~ 10mA
LGB0608	10uH ~ 150mH	1.3A~16mA
LGB0810	10uH ~ 100mH	5.0A ~ 28mA
LGB1012	10mH ~ 100mH	170mA ~ 45mA

characteristic:

1. Inductance range: 1.0uH to 100000uH.
2. Rated current: based on temperature rise not to exceed 20oC .
3. Working temperature range: between -20o C and 80o C.
4. Terminal strength: greater than 2.5 kg.

test instrument:

Inductance and Q value: HP 4285A precision Q meter.
 DC Resistance: Milli-ohm meter.
 Self-resonant frequency: HM 9461 L-SRF inductance and self-resonant frequency table.

application:

TV and stereo equipment.
 communication equipment.
 Buzzers and sirens.
 power controller.
 Systems requiring wide bandwidth and high Q.



product name	Inductance (uH)	quality factor (MIN)	test frequency (MHz)	self-resonant frequency (MHz)MIN	DC Resistance (OHM)MAX	rated current (mA) MAX
LGB0406-1R0K	1.0	130	7.96	120	0.035	2000
LGB0406-1R2K	1.2	100	7.96	120	0.058	1950
LGB0406-1R5K	1.5	100	7.96	120	0.075	1900
LGB0406-1R8K	1.8	100	7.96	120	0.110	1800
LGB0406-2R2K	2.2	100	7.96	100	0.120	1750
LGB0406-2R7K	2.7	100	7.96	80	0.125	1680
LGB0406-3R3K	3.3	100	7.96	75	0.130	1500
LGB0406-3R9K	3.9	100	7.96	70	0.135	1450
LGB0406-4R7K	4.7	100	7.96	50	0.140	1320
LGB0406-5R6K	5.6	100	7.96	45	0.145	1230
LGB0406-6R8K	6.8	100	7.96	30	0.15	1150
LGB0406-8R2K	8.2	100	7.96	22	0.16	1100
LGB0406-100K	10	80	2.52	20	0.23	1000
LGB0406-120K	12	80	2.52	17	0.24	970
LGB0406-150K	15	80	2.52	16	0.25	920
LGB0406-180K	18	80	2.52	12	0.33	860
LGB0406-220K	22	80	2.52	10	0.45	800
LGB0406-270K	27	80	2.52	9.50	0.50	710
LGB0406-330K	33	80	2.52	8.70	0.70	660
LGB0406-390K	39	70	2.52	8.20	0.74	600
LGB0406-470K	47	70	2.52	7.80	0.76	550
LGB0406-560K	56	50	2.52	7.60	0.80	500
LGB0406-680K	68	50	2.52	6.80	0.90	470
LGB0406-820K	82	50	2.52	6.00	0.95	430
LGB0406-101K	100	45	0.796	6.00	1.0	400
LGB0406-121K	120	45	0.796	5.50	1.1	370
LGB0406-151K	150	65	0.796	4.20	1.3	350
LGB0406-181K	180	65	0.796	3.60	1.5	320
LGB0406-221K	220	65	0.796	2.80	1.8	300
LGB0406-271K	270	50	0.796	2.40	1.9	275
LGB0406-331K	330	50	0.796	2.20	2.2	250
LGB0406-391K	390	50	0.796	2.00	2.7	220
LGB0406-471K	470	50	0.796	1.70	3.6	200
LGB0406-561K	560	50	0.796	1.50	4.2	190
LGB0406-681K	680	50	0.796	1.30	4.6	170
LGB0406-821K	820	50	0.796	1.10	5.7	155
LGB0406-102K	1000	90	0.252	1.00	6.7	150
LGB0406-122K	1200	90	0.252	0.90	8.2	140
LGB0406-152K	1500	80	0.252	0.80	13	120
LGB0406-182K	1800	80	0.252	0.80	15	110
LGB0406-222K	2200	80	0.252	0.80	17	100
LGB0406-272K	2700	80	0.252	0.80	19	90
LGB0406-332K	3300	70	0.252	0.70	26	83
LGB0406-392K	3900	70	0.252	0.65	30	76
LGB0406-472K	4700	65	0.252	0.60	45	70
LGB0406-562K	5600	65	0.252	0.55	48	62
LGB0406-682K	6800	65	0.252	0.55	56	56
LGB0406-822K	8200	65	0.252	0.55	62	52
LGB0406-103K	10000	45	0.0796	0.55	72	47
LGB0406-123K	12000	45	0.0796	0.50	80	40
LGB0406-153K	15000	45	0.0796	0.50	120	35
LGB0406-183K	18000	45	0.0796	0.50	135	30
LGB0406-223K	22000	45	0.0796	0.50	160	24
LGB0406-253K	25000	45	0.0796	0.50	180	20

J:+5%; K:+10%; M:+20%

There are more specifications, which can be customized on demand.



product name	Inductance (uH)	quality factor (MIN)	test frequency (MHz)	self-resonant frequency (MHz)MIN	DC resistance (OHM)MAX	rated current (mA) MAX
LGB0608-100K	10	25	2.52	16	0.09	1300
LGB0608-120K	12	25	2.52	15	0.10	1100
LGB0608-150K	15	25	2.52	13	0.11	1050
LGB0608-180K	18	20	2.52	12	0.12	1000
LGB0608-220K	22	25	2.52	11	0.12	960
LGB0608-270K	27	25	2.52	10	0.17	920
LGB0608-330K	33	25	2.52	8.8	0.19	880
LGB0608-390K	39	20	2.52	8.4	0.22	860
LGB0608-470K	47	20	2.52	8.2	0.23	830
LGB0608-560K	56	20	2.52	7.9	0.29	810
LGB0608-680K	68	20	2.52	7.0	0.37	750
LGB0608-820K	82	20	2.52	6.5	0.39	740
LGB0608-101K	100	30	0.796	5.7	0.44	710
LGB0608-121K	120	30	0.796	5.2	0.64	680
LGB0608-151K	150	35	0.796	4.7	0.73	600
LGB0608-181K	180	35	0.796	4.2	0.82	540
LGB0608-221K	220	35	0.796	3.7	0.92	450
LGB0608-271K	270	30	0.796	3.5	1.2	420
LGB0608-331K	330	40	0.796	3.2	1.6	400
LGB0608-391K	390	25	0.796	2.9	1.9	370
LGB0608-471K	470	35	0.796	2.4	2.3	340
LGB0608-561K	560	35	0.796	2.2	2.6	280
LGB0608-681K	680	45	0.796	2.0	2.8	250
LGB0608-821K	820	40	0.796	1.6	3.0	230
LGB0608-102K	1000	70	0.796	1.5	3.3	200
LGB0608-122K	1200	70	0.252	0.80	3.5	180
LGB0608-152K	1500	70	0.252	0.70	4.5	160
LGB0608-182K	1800	70	0.252	0.60	5.0	140
LGB0608-222K	2200	70	0.252	0.50	6.2	120
LGB0608-272K	2700	70	0.252	0.40	7.2	100
LGB0608-332K	3300	70	0.252	0.30	10.5	80
LGB0608-392K	3900	70	0.252	0.20	11.7	70
LGB0608-472K	4700	70	0.252	0.18	13.6	60
LGB0608-562K	5600	70	0.252	0.16	16.6	50
LGB0608-682K	6800	70	0.252	0.16	19.6	50
LGB0608-822K	8200	70	0.252	0.16	25.2	40
LGB0608-103K	10000	70	0.0796	0.14	29.5	40
LGB0608-123K	12000	70	0.0796	0.14	33.8	40
LGB0608-153K	15000	70	0.0796	0.14	45.4	30
LGB0608-183K	18000	70	0.0796	0.14	50.4	30
LGB0608-223K	22000	70	0.0796	0.12	60.0	30
LGB0608-303K	30000	70	0.0796	0.12	91.5	20
LGB0608-333K	33000	70	0.0796	0.12	98.5	20
LGB0608-393K	39000	70	0.0796	0.12	140	15
LGB0608-473K	47000	70	0.0796	0.12	160	15
LGB0608-503K	50000	70	0.0796	0.10	170	15
LGB0608-563K	56000	70	0.0796	0.10	181	15
LGB0608-683K	68000	50	0.0796	0.10	282	15
LGB0608-823K	82000	50	0.0796	0.10	312	10
LGB0608-104K	100000	30	0.0252	0.10	380	10
LGB0608-124K	120000	30	0.0252	0.10	430	10
LGB0608-154K	150000	30	0.0252	0.10	520	10

J:+5%; K:+10%; M:+20%

There are more specifications, which can be customized on demand.



product name	Inductance (uH)	quality factor (MIN)	test frequency (MHz)	self-resonant frequency (MHz)MIN	DC resistance (OHM)MAX	rated current (mA) MAX
LGB0810-100K	10	90	2.52	12	0.10	1600
LGB0810-120K	12	90	2.52	11	0.10	1600
LGB0810-150K	15	90	2.52	10	0.10	1400
LGB0810-180K	18	80	2.52	9	0.11	1300
LGB0810-220K	22	70	2.52	8	0.13	1200
LGB0810-270K	27	70	2.52	7	0.14	1100
LGB0810-330K	33	70	2.52	7	0.16	900
LGB0810-390K	39	70	2.52	6	0.16	800
LGB0810-470K	47	70	2.52	5.5	0.16	700
LGB0810-560K	56	60	2.52	5.5	0.22	700
LGB0810-680K	68	60	2.52	5	0.23	600
LGB0810-820K	82	60	2.52	4.5	0.27	500
LGB0810-101K	100	40	0.796	4.5	0.29	400
LGB0810-121K	120	40	0.796	4.5	0.33	400
LGB0810-151K	150	40	0.796	4.5	0.46	350
LGB0810-181K	180	40	0.796	4	0.51	300
LGB0810-221K	220	40	0.796	3.5	0.62	250
LGB0810-271K	270	30	0.796	3	0.65	250
LGB0810-331K	330	30	0.796	3	0.79	250
LGB0810-391K	390	30	0.796	2.5	0.91	200
LGB0810-471K	470	30	0.796	2.5	1.2	180
LGB0810-561K	560	30	0.796	2	1.2	160
LGB0810-681K	680	30	0.796	2	1.5	140
LGB0810-821K	820	25	0.796	2	1.7	140
LGB0810-102K	1000	50	0.252	2	2.0	120
LGB0810-122K	1200	45	0.252	1.5	2.3	100
LGB0810-152K	1500	45	0.252	1.5	2.9	80
LGB0810-182K	1800	45	0.252	1.5	3.5	80
LGB0810-222K	2200	50	0.252	1	4.2	70
LGB0810-272K	2700	50	0.252	1	5.1	60
LGB0810-332K	3300	50	0.252	0.9	6.1	60
LGB0810-392K	3900	50	0.252	0.8	7.8	50
LGB0810-472K	4700	55	0.252	0.7	11	50
LGB0810-562K	5600	55	0.252	0.6	11	45
LGB0810-682K	6800	55	0.252	0.6	14	45
LGB0810-822K	8200	60	0.252	0.6	15	40
LGB0810-103K	10000	100	0.0796	0.5	20	35
LGB0810-123K	12000	100	0.0796	0.4	24	35
LGB0810-153K	15000	100	0.0796	0.4	28	35
LGB0810-183K	18000	100	0.0796	0.4	42	30
LGB0810-223K	22000	100	0.0796	0.3	43	30
LGB0810-273K	27000	100	0.0796	0.3	55	25
LGB0810-333K	33000	90	0.0796	0.2	65	25
LGB0810-393K	39000	90	0.0796	0.2	87	25
LGB0810-473K	47000	85	0.0796	0.2	98	25
LGB0810-563K	56000	80	0.0796	0.2	128	20
LGB0810-683K	68000	70	0.0796	0.2	141	20
LGB0810-823K	82000	70	0.0796	0.2	161	20
LGB0810-104K	100000	55	0.0796	0.2	180	20

J:+5%; K:+10%; M:+20%

There are more specifications, which can be customized on demand.



I-shaped inductor **LGB** type

LGB0810 electrical characteristic parameters

product name	Inductance (uH)	quality factor (MIN)	test frequency (MHz)	self-resonant frequency (MHz)MIN	DC resistance (OHM)MAX	rated current (mA) MAX
LGB1012-103K	10000	140	0.0796	0.35	12	280
LGB1012-123K	12000	140	0.0796	0.31	13	280
LGB1012-153K	15000	140	0.0796	0.28	18	280
LGB1012-183K	18000	130	0.0796	0.26	25	280
LGB1012-223K	22000	130	0.0796	0.22	30	240
LGB1012-273K	27000	130	0.0796	0.20	35	240
LGB1012-333K	33000	110	0.0796	0.19	40	200
LGB1012-393K	39000	110	0.0796	0.17	50	140
LGB1012-473K	47000	110	0.0796	0.15	50	140
LGB1012-563K	56000	100	0.0796	0.13	65	140
LGB1012-683K	68000	80	0.0796	0.12	70	120
LGB1012-823K	82000	65	0.0796	0.10	85	120
LGB1012-104K	100000	60	0.0796	0.10	100	120

J:+5%; K:+10%; M:+20%

There are more specifications, which can be customized on demand.