

## ■ Features/

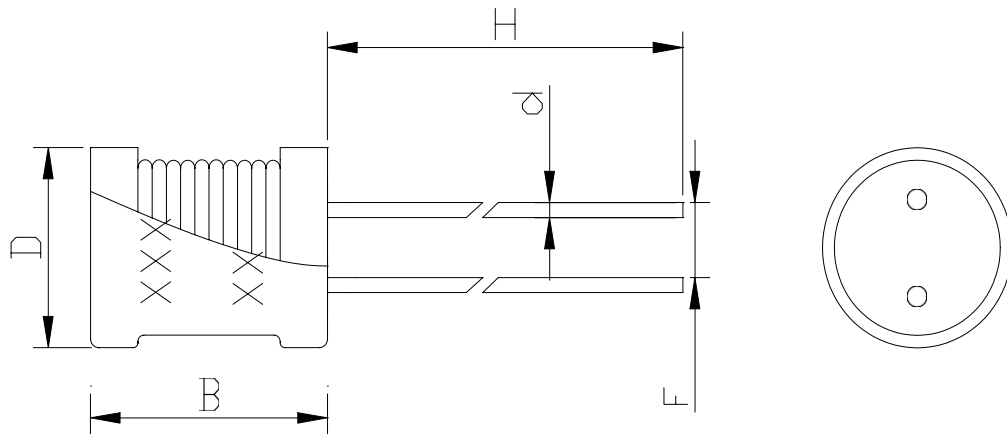
- 1, Low cost;
- 2, Wide range of inductance;
- 3, High reliability;

## ■ Applications/

Televisions, VCR, OA equipment, PC, Other electronic equipment, etc.

## ■ Part numbering system/

LGB	-X(S)□□□□	-	□□□	□	-	□
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>		
<b>Series name</b>	<b>dimensions</b>	<b>inductance</b>	<b>tolerance code</b>	<b>packing code</b>		
			J:±5%,K: ±10%	T:tape&reel		



M: ±20%

## ■ Shapes and dimensions/ (UNIT:mm)

TYPE	D±1	Bmax	F±0.5	d±0.1	H
LGB-X/S0406	4.5	8	2.5	0.5	10min
LGB-X/S0507	5.5	9	2.5	0.6	
LGB-X/S0608	6.5	10	3.0		
LGB-X/S0810	8.5	12	5.0	0.8	
LGB-X/S0912	9.5	14	5.0		
LGB-X/S1012	10.5	15	5.0		
LGB-X/S1415	14.5	17	7.5		

**Special sizes, we can mold production.**



## ■ LGB SERIES LGB-X(S)0406 TYPE CHARACTERISTICS

PART NUMBER	L (uH)	Tol.	Qmin	Fr (MHz)	SRF (MHz)	Rdc (Ω)	Idc (mA)
LGB-S/X0406-1R0M	1.0	±20%	80	7.96	200	0.10	1400
LGB-S/X0406-1R2M	1.2		70		170	0.13	1200
LGB-S/X0406-1R5M	1.5		70		140	0.15	1200
LGB-S/X0406-1R8M	1.8		70		130	0.17	1100
LGB-S/X0406-2R2M	2.2		70		120	0.20	1100
LGB-S/X0406-2R7M	2.7		70		110	0.22	1000
LGB-S/X0406-3R3M	3.3		70		90	0.24	1000
LGB-S/X0406-3R9M	3.9		70		70	0.26	1000
LGB-S/X0406-4R7M	4.7		70		55	0.28	800
LGB-S/X0406-5R6M	5.6		70		40	0.30	800
LGB-S/X0406-6R8M	6.8		70		35	0.35	800
LGB-S/X0406-8R2M	8.2		65		30	0.35	700
LGB-S/X0406-100K	10		±10%		65	2.52	25
LGB-S/X0406-120K	12	65		20	0.48		600
LGB-S/X0406-150K	15	65		15	0.55		500
LGB-S/X0406-180K	18	65		15	0.65		500
LGB-S/X0406-220K	22	60		14	0.72		400
LGB-S/X0406-270K	27	60		13	0.78		400
LGB-S/X0406-330K	33	60		12	0.87		400
LGB-S/X0406-390K	39	60		11	0.90		400
LGB-S/X0406-470K	47	58		10	0.98		320
LGB-S/X0406-560K	56	55		9.0	1.50		300
LGB-S/X0406-680K	68	55		8.5	1.90		300
LGB-S/X0406-820K	82	53		8.0	2.50		300
LGB-S/X0406-101K	100	±10%		50	0.796		7.0
LGB-S/X0406-121K	120		50	6.3		3.80	200
LGB-S/X0406-151K	150		50	5.7		4.50	200
LGB-S/X0406-181K	180		50	5.3		5.00	200
LGB-S/X0406-221K	220		50	5.0		5.80	200
LGB-S/X0406-271K	270		50	4.5		6.50	150
LGB-S/X0406-331K	330		50	4.0		7.00	150
LGB-S/X0406-391k	390		50	3.8		7.70	150
LGB-S/X0406-471k	470		50	3.5		8.00	120
LGB-S/X0406-561k	560		50	3.2		8.50	120
LGB-S/X0406-681k	680		50	3.0		9.50	120
LGB-S/X0406-821k	820		50	2.8		15.0	100
LGB-S/X0406-102K	1000		±10%	50		0.252	2.5
LGB-S/X0406-122K	1200	50		2.3	20.0		80
LGB-S/X0406-152K	1500	50		2.1	22.0		80
LGB-S/X0406-182K	1800	50		1.8	25.0		70
LGB-S/X0406-222K	2200	50		1.6	26.0		60
LGB-S/X0406-272K	2700	45		1.36	40.0		40
LGB-S/X0406-332K	3300	45		1.27	50.0		30
LGB-S/X0406-392K	3900	45		1.20	55.0		30
LGB-S/X0406-472K	4700	45		1.06	60.0		30
LGB-S/X0406-562K	5600	45		1.02	65.0		30
LGB-S/X0406-682K	6800	45		0.96	72.0		30
LGB-S/X0406-822K	8200	45		0.93	80.0		20



## LGB SERIES LGB-X(S)0507 TYPE CHARACTERISTICS

PART NUMBER	L (uH)	TOL	Qmin	Fr (MHz)	SRF(MHz)	Rdc (Ω)	Idc (mA)
LGB-S/X0507-1R0M	1.0	±20%	80	7.96	120	0.02	3500
LGB-S/X0507-1R2M	1.2		70		100	0.02	3100
LGB-S/X0507-1R5M	1.5		70		90	0.02	3000
LGB-S/X0507-1R8M	1.8		70		70	0.02	2800
LGB-S/X0507-2R2M	2.2		70		55	0.03	2500
LGB-S/X0507-2R7M	2.7		70		50	0.03	2200
LGB-S/X0507-3R3M	3.3		70		50	0.04	2000
LGB-S/X0507-3R9M	3.9		70		35	0.04	1900
LGB-S/X0507-4R7M	4.7		70		30	0.05	1800
LGB-S/X0507-5R6M	5.6		70		30	0.05	1700
LGB-S/X0507-RR8M	6.8		70		25	0.06	1300
LGB-S/X0507-8R2M	8.2		65		25	0.06	1100
LGB-S/X0507-100K	10	±10%	65	2.52	22	0.08	1000
LGB-S/X0507-120K	12		65		20	0.10	950
LGB-S/X0507-150K	15		65		16	0.11	900
LGB-S/X0507-180K	18		50		14	0.11	800
LGB-S/X0507-220K	22		50		14	0.12	600
LGB-S/X0507-270K	27		50		12	0.14	550
LGB-S/X0507-330K	33		50		10	0.16	500
LGB-S/X0507-390K	39		45		9.0	0.18	500
LGB-S/X0507-470K	47		45		9.0	0.20	450
LGB-S/X0507-560K	56		35		8.0	0.22	450
LGB-S/X0507-680K	68		35		8.0	0.30	400
LGB-S/X0507-820K	82		35		7.0	0.34	400
LGB-S/X0507-101K	100	±10%	30	0.796	6.0	0.36	350
LGB-S/X0507-121K	120		30		5.5	0.44	300
LGB-S/X0507-151K	150		30		4.5	0.52	300
LGB-S/X0507-181K	180		30		3.5	0.65	250
LGB-S/X0507-221K	220		25		4.0	0.75	240
LGB-S/X0507-271K	270		25		3.5	1.00	200
LGB-S/X0507-331K	330		25		3.0	1.3	180
LGB-S/X0507-391k	390		25		2.7	1.4	160
LGB-S/X0507-471k	470		25		2.5	1.6	160
LGB-S/X0507-561k	560		25		2.4	2.0	120
LGB-S/X0507-681k	680		25		2.2	2.3	140
LGB-S/X0507-821k	820		25		2.0	2.7	130
LGB-S/X0507-102K	1000	±10%	50	0.252	2.2	3.1	120
LGB-S/X0507-122K	1200		50		1.5	4.6	110
LGB-S/X0507-152K	1500		50		1.3	5.3	100
LGB-S/X0507-182K	1800		50		1.2	6.2	90
LGB-S/X0507-222K	2200	±10%	50	0.252	1.1	6.8	80
LGB-S/X0507-272K	2700		45		1.0	10	60
LGB-S/X0507-332K	3300		45		0.95	12	60
LGB-S/X0507-392K	3900		45		0.90	13	55
LGB-S/X0507-472K	4700		45		0.90	15	55
LGB-S/X0507-562K	5600		45		0.80	22	50
LGB-S/X0507-682K	6800		45		0.75	25	45
LGB-S/X0507-822K	8200		45		0.70	28	45



**LGB SERIES LGB-X(S)0608 TYPE CHARACTERISTICS**

PART NUMBER	L (uH)	TOL	Qmin	Fr (MHz)	SRF(MHz)	Rdc (Ω)	Idc (mA)
LGB-S/X0608-1R0M	1.0	±20%	85	7.96	100	0.02	4400
LGB-S/X0608-1R2M	1.2		85		90	0.02	4000
LGB-S/X0608-1R5M	1.5		85		80	0.03	3560
LGB-S/X0608-1R8M	1.8		80		65	0.04	3500
LGB-S/X0608-2R2M	2.2		80		55	0.05	3000
LGB-S/X0608-2R7M	2.7		80		50	0.06	2800
LGB-S/X0608-3R3M	3.3		75		40	0.06	2500
LGB-S/X0608-3R9M	3.9		75		38	0.07	2300
LGB-S/X0608-4R7M	4.7		75		36	0.07	2000
LGB-S/X0608-5R6M	5.6		70		35	0.075	1800
LGB-S/X0608-6R8M	6.8		70		30	0.075	1500
LGB-S/X0608-8R2M	8.2		70		25	0.08	1400
LGB-S/X0608-100K	10	±10%	25	2.52	16	0.09	1300
LGB-S/X0608-120K	12		25		15	0.10	1100
LGB-S/X0608-150K	15		25		13	0.11	1050
LGB-S/X0608-180K	18		25		12	0.12	1000
LGB-S/X0608-220K	22		25		11	0.12	960
LGB-S/X0608-270K	27		25		10	0.17	920
LGB-S/X0608-330K	33		25		8.8	0.19	880
LGB-S/X0608-390K	39		20		8.4	0.22	860
LGB-S/X0608-470K	47		20		8.2	0.23	830
LGB-S/X0608-560K	56		20		7.9	0.29	810
LGB-S/X0608-680K	68		20		7.0	0.37	750
LGB-S/X0608-820K	82		20		6.5	0.39	740
LGB-S/X0608-101K	100	±10%	30	0.796	5.7	0.44	710
LGB-S/X0608-121K	120		30		5.2	0.64	680
LGB-S/X0608-151K	150		30		4.7	0.73	600
LGB-S/X0608-181K	180		35		4.2	0.82	540
LGB-S/X0608-221K	220		35		3.7	0.92	450
LGB-S/X0608-271K	270		35		3.5	1.3	420
LGB-S/X0608-331K	330		35		3.2	1.5	400
LGB-S/X0608-391K	390		40		2.9	1.8	370
LGB-S/X0608-471K	470		40		2.4	2.3	340
LGB-S/X0608-561K	560		40		2.2	3.0	280
LGB-S/X0608-681K	680		40		2.0	3.25	250
LGB-S/X0608-821K	820		40		1.6	4.16	230
LGB-S/X0608-102K	1000	80	1.5	4.55	210		
LGB-S/X0608-122K	1200	80	1.4	5.20	200		



**LGB SERIES LGB-X(S)0608 TYPE CHARACTERISTICS**

PART NUMBER	L (uH)	TOL	Qmin	Fr (MHz)	SRF(MHz)	Rdc (Ω)	Idc (mA)	
LGB-S/X0608-152K	1500	±10%	75	0.796	1.3	6.54	150	
LGB-S/X0608-182K	1800		75		1.2	7.54	140	
LGB-S/X0608-222K	2200		75		1.1	8.32	130	
LGB-S/X0608-272K	2700		75		1.0	9.62	120	
LGB-S/X0608-332K	3300		75		0.85	10.92	110	
LGB-S/X0608-392K	3900		75		0.78	16.12	90	
LGB-S/X0608-472K	4700		75		0.68	17.81	80	
LGB-S/X0608-562K	5600		75		0.62	20.0	70	
LGB-S/X0608-682K	6800		75		0.61	27.3	65	
LGB-S/X0608-822K	8200		75		0.60	31.2	50	
LGB-S/X0608-103K	10000		0.0796	70	0.0796	0.48	39.0	45
LGB-S/X0608-123K	12000			70		0.44	42.9	40
LGB-S/X0608-153K	15000			70		0.35	65.0	35
LGB-S/X0608-183K	18000			70		0.30	72.8	30
LGB-S/X0608-223K	22000			70		0.28	82.55	30
LGB-S/X0608-273K	27000			70		0.25	95.42	25
LGB-S/X0608-333K	33000			70		0.23	135.2	25
LGB-S/X0608-393K	39000			70		0.20	154.7	20
LGB-S/X0608-473K	47000			70		0.16	172.9	20

**LGB SERIES LGB-X(S)1012 TYPE CHARACTERISTICS**

PART NUMBER	L (uH)	TOL	Qmin	Fr (MHz)	SRF(MHz)	Rdc (Ω)	Idc (mA)
LGB-S/X1012-4R7K	4.7	±10%	5	0.01		0.05	4700
LGB-S/X1012-150K	15		5		0.05	3000	
LGB-S/X1012-200K	20		5		0.042	2500	
LGB-S/X1012-101K	100		5		0.18	1200	
LGB-S/X1012-151K	150		5		0.27	1000	
LGB-S/X1012-202K	2000		5		4.4	300	
LGB-S/X1012-153K	15000		5		14.3	20	



**LGB SERIES LGB-X(S)0810 TYPE CHARACTERISTICS**

PART NUMBER	L (uH)	TOL	Qmin	Fr (MHz)	SRF(MHz)	Rdc (Ω)	Idc (mA)		
LGB-S/X0810-1R0M	1.0	±20%	90	7.96	100	0.02	3400		
LGB-S/X0810-1R2M	1.2		90		90	0.02	3400		
LGB-S/X0810-1R5M	1.5		95		80	0.02	3400		
LGB-S/X0810-1R8M	1.8		95		75	0.03	3300		
LGB-S/X0810-2R2M	2.2		100		70	0.03	3000		
LGB-S/X0810-2R7M	2.7		100		60	0.04	3000		
LGB-S/X0810-3R3M	3.3		100		56	0.04	3000		
LGB-S/X0810-3R9M	3.9		100		52	0.05	2900		
LGB-S/X0810-4R7M	4.7		100		30	0.05	2900		
LGB-S/X0810-5R6M	5.6		100		30	0.06	2600		
LGB-S/X0810-6R8M	6.8		90		20	0.06	2500		
LGB-S/X0810-8R2M	8.2		80		17	0.06	2000		
LGB-S/X0810-100K	10		±10%		90	2.52	12	0.10	1600
LGB-S/X0810-120K	12				90		11	0.10	1400
LGB-S/X0810-150K	15	90		10	0.10		1300		
LGB-S/X0810-180K	18	80		9.0	0.11		1200		
LGB-S/X0810-220K	22	70		8.0	0.13		1100		
LGB-S/X0810-270K	27	70		7.0	0.14		1000		
LGB-S/X0810-330K	33	70		7.0	0.16		900		
LGB-S/X0810-390K	39	70		6.0	0.16		800		
LGB-S/X0810-470K	47	70		5.5	0.16		700		
LGB-S/X0810-560K	56	60		5.5	0.22		700		
LGB-S/X0810-680K	68	60		5.0	0.23	600			
LGB-S/X0810-820K	82	60		4.5	0.27	500			
LGB-S/X0810-101K	100	±10%		40	0.796	4.5	0.29	400	
LGB-S/X0810-121K	120			40		4.5	0.33	400	
LGB-S/X0810-151K	150			40		4.5	0.46	350	
LGB-S/X0810-181K	180			40		4.0	0.51	350	
LGB-S/X0810-221K	220			40		3.5	0.62	300	
LGB-S/X0810-271K	270			30		3.0	0.65	250	
LGB-S/X0810-331K	330			30		3.0	0.79	250	
LGB-S/X0810-391K	390			30		2.5	0.91	200	
LGB-S/X0810-471K	470			30		2.5	1.2	180	
LGB-S/X0810-561K	560			30		2.0	1.2	160	
LGB-S/X0810-681K	680	30	2.0	1.5	140				
LGB-S/X0810-821K	820	25	2.0	1.7	140				
LGB-S/X0810-102K	1000	±10%	50	0.252	2.0	2.0	120		
LGB-S/X0810-122K	1200		45		1.5	2.3	100		
LGB-S/X0810-152K	1500		45		1.5	2.9	80		
LGB-S/X0810-182K	1800		45		1.5	3.5	70		
LGB-S/X0810-222K	2200		50		1.0	4.2	60		



**LGB SERIES LGB-X(S)0810 TYPE CHARACTERISTICS**

PART NUMBER	L (uH)	TOL	Qmin	Fr (MHz)	SRF(MHz)	Rdc (Ω)	Idc (mA)	
LGB-S/X0810-272K	2700	±10%	50	0.252	1.0	5.1	60	
LGB-S/X0810-332K	3300		50		0.9	6.1	50	
LGB-S/X0810-392K	3900		50		0.8	7.8	50	
LGB-S/X0810-472K	4700		55		0.7	11	45	
LGB-S/X0810-562K	5600		55		0.6	11	45	
LGB-S/X0810-682K	6800		55		0.6	14	40	
LGB-S/X0810-822K	8200		60		0.6	15	35	
LGB-S/X0810-103K	10000		±10%	100	0.0796	0.5	20	35
LGB-S/X0810-123K	12000			100		0.4	24	35
LGB-S/X0810-153K	15000			100		0.4	28	30
LGB-S/X0810-183K	18000			100		0.4	42	30
LGB-S/X0810-223K	22000			100		0.3	43	25
LGB-S/X0810-273K	27000			100		0.3	55	25
LGB-S/X0810-333K	33000			90		0.3	65	25
LGB-S/X0810-393K	39000			90		0.2	87	20
LGB-S/X0810-473K	47000			85		0.2	98	20
LGB-S/X0810-563K	56000			80		0.2	128	20
LGB-S/X0810-683K	68000			70		0.2	141	20
LGB-S/X0810-823K	82000			70		0.2	161	20
LGB-S/X0810-104K	100000			55		0.2	180	20

**LGB SERIES LGB-X(S)1415 TYPE CHARACTERISTICS**

PART NUMBER	L (uH)	TOL	Qmin	Fr (MHz)	SRF(MHz)	Rdc (Ω)	Idc (mA)
LGB-S/X1415-141K	135	±10%	5	0.01		0.2	2500
LGB-S/X1415-101K	100		5		0.1	3000	
LGB-S/X1415-301K	300		5		0.35	1500	
LGB-S/X1415-371K	370		5		0.35	1200	
LGB-S/X1415-451K	450		5		0.35	1000	
LGB-S/X1415-551K	550		5		0.35	1000	
LGB-S/X1415-561K	560		5		0.49	1000	
LGB-S/X1415-801K	800		5		0.5	700	
LGB-S/X1415-302K	3000		5		2.65	300	
LGB-S/X1415-402K	4000		5		3.0	200	



## LGB SERIES LGB-X(S)0912 TYPE CHARACTTERISTICS

PART NUMBER	L (uH)	TOL	Qmin	Fr (MHz)	SRF(MHz)	Rdc (Ω)	Idc (mA)
LGB-S/X0912-100K	10	±10%	110	2.52	24	0.04	2800
LGB-S/X0912-120K	12		110		18	0.04	2700
LGB-S/X0912-150K	15		110		11	0.05	2300
LGB-S/X0912-180K	18		90		8.4	0.06	2100
LGB-S/X0912-220K	22		90		8.2	0.07	2000
LGB-S/X0912-270K	27		90		7.1	0.10	1700
LGB-S/X0912-270K	33		90		7.1	0.12	1500
LGB-S/X0912-390K	39		80		6.9	0.12	1400
LGB-S/X0912-470K	47		70		6.0	0.13	1300
LGB-S/X0912-560K	56		70		5.7	0.14	1200
LGB-S/X0912-680K	68		60		5.4	0.15	1000
LGB-S/X0912-820K	82		50		4.6	0.16	900
LGB-S/X0912-101K	100		60		4.0	0.25	700
LGB-S/X0912-121K	120		60	3.6	0.28	700	
LGB-S/X0912-151K	150		55	3.1	0.32	700	
LGB-S/X0912-181K	180		55	2.8	0.47	600	
LGB-S/X0912-221K	220		55	2.5	0.53	500	
LGB-S/X0912-271K	270		50	2.4	0.60	450	
LGB-S/X0912-331K	330		50	2.0	0.85	400	
LGB-S/X0912-391K	390		50	2.0	0.95	350	
LGB-S/X0912-471K	470		40	1.9	1.1	350	
LGB-S/X0912-561K	560		30	1.8	1.2	300	
LGB-S/X0912-681K	68		30	1.7	1.3	250	
LGB-S/X0912-821K	820		30	1.5	1.4	200	
LGB-S/X0912-102K	1000		70	1.1	2.0	200	
LGB-S/X0912-122K	1200		70	1.0	2.3	180	
LGB-S/X0912-152K	1500		70	1.0	2.9	150	
LGB-S/X0912-182K	1800		70	0.9	3.3	120	
LGB-S/X0912-222K	2200		70	0.7	4.5	110	
LGB-S/X0912-272K	2700		70	0.7	5.5	80	
LGB-S/X0912-332K	3300		60	0.6	5.7	80	
LGB-S/X0912-392K	3900		60	0.6	6.5	60	
LGB-S/X0912-472K	4700		60	0.6	7.2	180	
LGB-S/X0912-562K	5600	60	0.5	9.5	50		
LGB-S/X0912-682K	6800	60	0.5	11	50		
LGB-S/X0912-822K	8200	50	0.4	13	50		
LGB-S/X0912-103K	10000	100	0.3	16	40		
LGB-S/X0912-123K	12000	100	0.3	18	40		
LGB-S/X0912-153K	15000	90	0.3	21	40		
LGB-S/X0912-183K	18000	90	0.3	23	40		