



DIP POWER INDUCTOR

JLGB SERIES



FEATURES/APPLICATOINS

- .Carrier tape packing use for DIP
- .High rated current, Low DCR, Rotundity; Diameter: 3.5mm~10mm, Height: 1.0mm~6.0mm
- .Suitable for reflow SMT Craft soldering
- .Lead free products, RoHS compliant
- .Widely use in DC-DC converter/LCD/Notebook/PDA/Telecommunications/Digital products

PRODUCT INDICATION

JLGB **0608** **—** **122** **K**
① ② ③ ④

- ① Product type: JLGB type
- ② External dimension: 06 for Diameter 6.0mm, 08 for Height 8.0mm
- ③ Electrical code: 122 for 1.2mH
- ④ Tolerance: K for $\pm 10\%$; M for $\pm 20\%$

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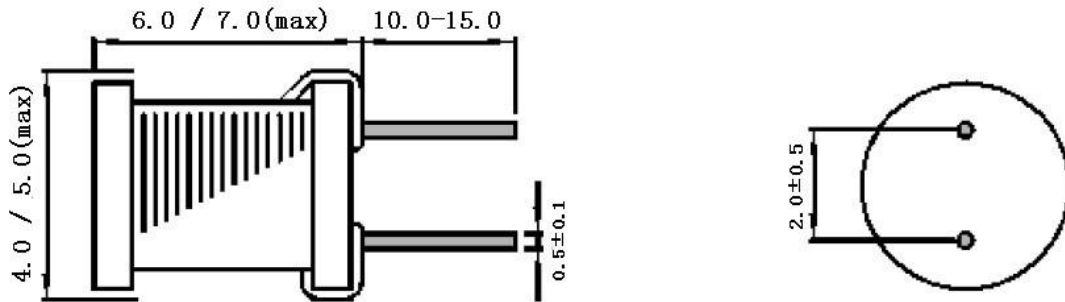
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■ Notes:

- Inductance instrument: HP4286A/CH1062A or LCR Meter equivalent.
- Inductance testing condition: 100KHz/1KHz.
- DCR instrument: TH2512B or DCR test equipment equivalent .
- Rated Current test: VR7210&VR113H.
- Rated Current definition: Inductance drop by 25% or temperature rise by 40°C , the lesser of the minimum as the rated current.

JLGB0406(1000/Package)

SHAPE AND DIMENSIONS



unit: mm

Electrical Characteristics JLGB0406 Series

Part NO	Inductance (μH)	TESTING FREQ (MHz)	SRF (MHz) MIN	DCR (Ω)	I (mA) MAX
JLGB0406-1R0K	1	7.96	120	0.035	2000
JLGB0406-1R2K	1.2	7.96	120	0.058	1950
JLGB0406-1R5K	1.5	7.96	120	0.075	1900
JLGB0406-1R8K	1.8	7.96	120	0.11	1800
JLGB0406-2R2K	2.2	7.96	100	0.12	1750
JLGB0406-2R7K	2.7	7.96	80	0.125	1680
JLGB0406-3R3K	3.3	7.96	75	0.13	1500
JLGB0406-3R9K	3.9	7.96	70	0.135	1450
JLGB0406-4R7K	4.7	7.96	50	0.14	1320
JLGB0406-5R6K	5.6	7.96	45	0.145	1230
JLGB0406-6R8K	6.8	7.96	30	0.15	1150
JLGB0406-8R2K	8.2	7.96	22	0.16	1100
JLGB0406-100K	10	2.52	20	0.23	1000
JLGB0406-120K	12	2.52	17	0.24	970
JLGB0406-150K	15	2.52	16	0.25	920
JLGB0406-180K	18	2.52	12	0.33	860

Special inquiries besides the above common used types can be meet

Electrical Characteristics JLGB0406 Series

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	SRF (MHz) MIN	DCR (Ω)	I (mA) MAX
JLGB0406-220K	22	2.52	10	0.45	800
JLGB0406-270K	27	2.52	9.5	0.5	710
JLGB0406-330K	33	2.52	8.7	0.7	660
JLGB0406-390K	39	2.52	8.2	0.74	600
JLGB0406-470K	47	2.52	7.8	0.76	550
JLGB0406-560K	56	2.52	7.6	0.8	500
JLGB0406-680K	68	2.52	6.8	0.9	470
JLGB0406-820K	82	2.52	6	0.95	430
JLGB0406-101K	100	0.796	6	1	400
JLGB0406-121K	120	0.796	5.5	1.1	370
JLGB0406-151K	150	0.796	4.2	1.3	350
JLGB0406-181K	180	0.796	3.6	1.5	320
JLGB0406-221K	220	0.796	2.8	1.8	300
JLGB0406-271K	270	0.796	2.4	1.9	275
JLGB0406-331K	330	0.796	2.2	2.2	250
JLGB0406-391K	390	0.796	2	2.7	220
JLGB0406-471K	470	0.796	1.7	3.6	200
JLGB0406-561K	560	0.796	1.5	4.2	190
JLGB0406-681K	680	0.796	1.3	4.6	170
JLGB0406-821K	820	0.796	1.1	5.7	155
JLGB0406-102K	1000	0.252	1	6.7	150
JLGB0406-122K	1200	0.252	0.9	8.2	140
JLGB0406-152K	1500	0.252	0.8	13	120
JLGB0406-182K	1800	0.252	0.8	15	110
JLGB0406-222K	2200	0.252	0.8	17	100
JLGB0406-272K	2700	0.252	0.8	19	90
JLGB0406-332K	3300	0.252	0.7	26	83
JLGB0406-392K	3900	0.252	0.65	30	76
JLGB0406-472K	4700	0.252	0.6	45	70
JLGB0406-562K	5600	0.252	0.55	48	62
JLGB0406-682K	6800	0.252	0.55	56	56
JLGB0406-822K	8200	0.252	0.55	62	52
JLGB0406-103K	10000	0.0796	0.55	72	47

Special inquiries besides the above common used types can be meet

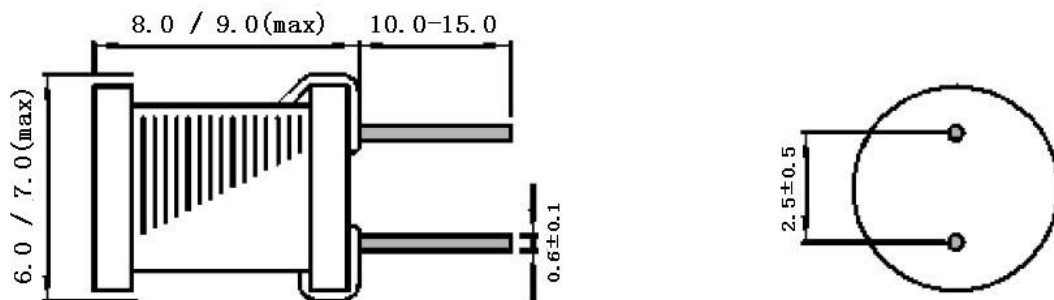
Electrical Characteristics JLG0406 Series

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	SRF (MHz) MIN	DCR (Ω)	I (mA) MAX
JLGB0406-123K	12000	0.0796	0.5	80	40
JLGB0406-153K	15000	0.0796	0.5	120	35
JLGB0406-183K	18000	0.0796	0.5	135	30
JLGB0406-223K	22000	0.0796	0.5	160	24
JLGB0406-253K	25000	0.0796	0.5	180	20

Special inquiries besides the above common used types can be meet

JLGB0608(1000/Package)

SHAPE AND DIMENSIONS



unit: mm

Electrical Characteristics JLG0608 Series

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	SRF (MHz) MIN	DCR (Ω)	I (mA) MAX
JLGB0608-100K	10	2.52	16	0.09	1300
JLGB0608-120K	12	2.52	15	0.1	1100
JLGB0608-150K	15	2.52	13	0.11	1050
JLGB0608-180K	18	2.52	12	0.12	1000
JLGB0608-220K	22	2.52	11	0.12	960

Special inquiries besides the above common used types can be meet

Electrical Characteristics JLGB0608 Series

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	SRF (MHz) MIN	DCR (Ω)	I (mA) MAX
JLGB0608-270K	27	2.52	10	0.17	920
JLGB0608-330K	33	2.52	8.8	0.19	880
JLGB0608-390K	39	2.52	8.4	0.22	860
JLGB0608-470K	47	2.52	8.2	0.23	830
JLGB0608-560K	56	2.52	7.9	0.29	810
JLGB0608-680K	68	2.52	7	0.37	750
JLGB0608-820K	82	2.52	6.5	0.39	740
JLGB0608-101K	100	0.796	5.7	0.44	710
JLGB0608-121K	120	0.796	5.2	0.64	680
JLGB0608-151K	150	0.796	4.7	0.73	600
JLGB0608-181K	180	0.796	4.2	0.82	540
JLGB0608-221K	220	0.796	3.7	0.92	450
JLGB0608-271K	270	0.796	3.5	1.2	420
JLGB0608-331K	330	0.796	3.2	1.6	400
JLGB0608-391K	390	0.796	2.9	1.9	370
JLGB0608-471K	470	0.796	2.4	2.3	340
JLGB0608-561K	560	0.796	2.2	2.6	280
JLGB0608-681K	680	0.796	2	2.8	250
JLGB0608-821K	820	0.796	1.6	3	230
JLGB0608-102K	1000	0.796	1.5	3.3	200
JLGB0608-122K	1200	0.252	0.8	3.5	180
JLGB0608-152K	1500	0.252	0.7	4.5	160
JLGB0608-182K	1800	0.252	0.6	5	140
JLGB0608-222K	2200	0.252	0.5	6.2	120
JLGB0608-272K	2700	0.252	0.4	7.2	100
JLGB0608-332K	3300	0.252	0.3	10.5	80
JLGB0608-392K	3900	0.252	0.2	11.7	70
JLGB0608-472K	4700	0.252	0.18	13.6	60
JLGB0608-562K	5600	0.252	0.16	16.6	50
JLGB0608-682K	6800	0.252	0.16	19.6	50
JLGB0608-822K	8200	0.252	0.16	25.2	40
JLGB0608-103K	10000	0.0796	0.14	29.5	40
JLGB0608-123K	12000	0.0796	0.14	33.8	40

Special inquiries besides the above common used types can be meet

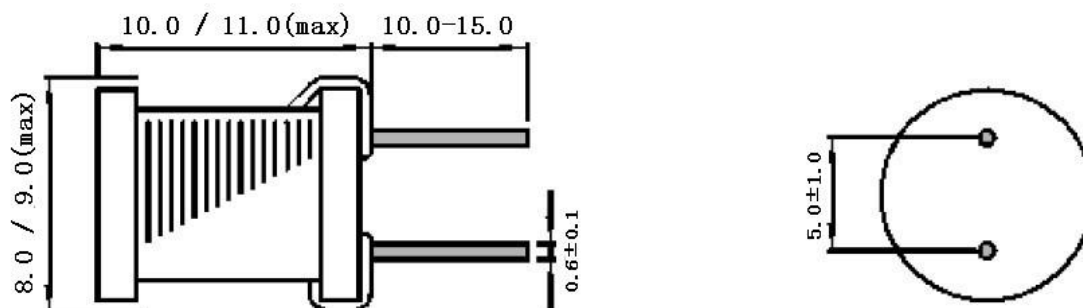
Electrical Characteristics JLGB0608 Series

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	SRF (MHz) MIN	DCR (Ω)	I (mA) MAX
JLGB0608-153K	15000	0.0796	0.14	45.4	30
JLGB0608-183K	18000	0.0796	0.14	50.4	30
JLGB0608-223K	22000	0.0796	0.12	60	30
JLGB0608-303K	30000	0.0796	0.12	91.5	20
JLGB0608-333K	33000	0.0796	0.12	98.5	20
JLGB0608-393K	39000	0.0796	0.12	140	15
JLGB0608-473K	47000	0.0796	0.12	160	15
JLGB0608-503K	50000	0.0796	0.1	170	15
JLGB0608-563K	56000	0.0796	0.1	181	15
JLGB0608-683K	68000	0.0796	0.1	282	15
JLGB0608-823K	82000	0.0796	0.1	312	10
JLGB0608-104K	100000	0.0252	0.1	380	10
JLGB0608-124K	120000	0.0252	0.1	430	10
JLGB0608-154K	150000	0.0252	0.1	520	10

Special inquiries besides the above common used types can be meet

JLGB0810(500/Package)

SHAPE AND DIMENSIONS



unit: mm

Electrical Characteristics JLGB0810 Series

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	SRF (MHz) MIN	DCR (Ω)	I (mA) MAX
JLGB0810-100K	10	2.52	12	0.1	1600
JLGB0810-120K	12	2.52	11	0.1	1600
JLGB0810-150K	15	2.52	10	0.1	1400
JLGB0810-180K	18	2.52	9	0.11	1300
JLGB0810-220K	22	2.52	8	0.13	1200
JLGB0810-270K	27	2.52	7	0.14	1100
JLGB0810-330K	33	2.52	7	0.16	900
JLGB0810-390K	39	2.52	6	0.16	800
JLGB0810-470K	47	2.52	5.5	0.16	700
JLGB0810-560K	56	2.52	5.5	0.22	700
JLGB0810-680K	68	2.52	5	0.23	600
JLGB0810-820K	82	2.52	4.5	0.27	500
JLGB0810-101K	100	0.796	4.5	0.29	400
JLGB0810-121K	120	0.796	4.5	0.33	400
JLGB0810-151K	150	0.796	4.5	0.46	350
JLGB0810-181K	180	0.796	4	0.51	300
JLGB0810-221K	220	0.796	3.5	0.62	250
JLGB0810-271K	270	0.796	3	0.65	250
JLGB0810-331K	330	0.796	3	0.79	250
JLGB0810-391K	390	0.796	2.5	0.91	200
JLGB0810-471K	470	0.796	2.5	1.2	180
JLGB0810-561K	560	0.796	2	1.2	160
JLGB0810-681K	680	0.796	2	1.5	140
JLGB0810-821K	820	0.796	2	1.7	140
JLGB0810-102K	1000	0.252	2	2	120
JLGB0810-122K	1200	0.252	1.5	2.3	100
JLGB0810-152K	1500	0.252	1.5	2.9	80
JLGB0810-182K	1800	0.252	1.5	3.5	80
JLGB0810-222K	2200	0.252	1	4.2	70
JLGB0810-272K	2700	0.252	1	5.1	60
JLGB0810-332K	3300	0.252	0.9	6.1	60
JLGB0810-392K	3900	0.252	0.8	7.8	50

Special inquiries besides the above common used types can be meet

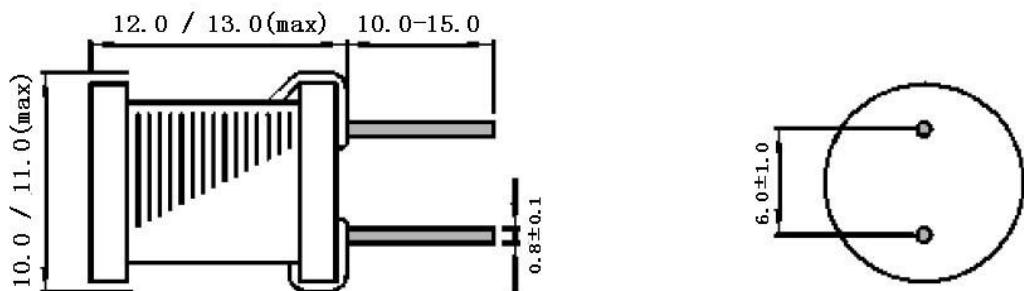
Electrical Characteristics JLGB0810 Series

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	SRF (MHz) MIN	DCR (Ω)	I (mA) MAX
JLGB0810-472K	4700	0.252	0.7	11	50
JLGB0810-562K	5600	0.252	0.6	11	45
JLGB0810-682K	6800	0.252	0.6	14	45
JLGB0810-822K	8200	0.252	0.6	15	40
JLGB0810-103K	10000	0.0796	0.5	20	35
JLGB0810-123K	12000	0.0796	0.4	24	35
JLGB0810-153K	15000	0.0796	0.4	28	35
JLGB0810-183K	18000	0.0796	0.4	42	30
JLGB0810-223K	22000	0.0796	0.3	43	30
JLGB0810-273K	27000	0.0796	0.3	55	25
JLGB0810-333K	33000	0.0796	0.2	65	25
JLGB0810-393K	39000	0.0796	0.2	87	25
JLGB0810-473K	47000	0.0796	0.2	98	25
JLGB0810-563K	56000	0.0796	0.2	128	20
JLGB0810-683K	68000	0.0796	0.2	141	20
JLGB0810-823K	82000	0.0796	0.2	161	20
JLGB0810-104K	100000	0.0796	0.2	180	20

Special inquiries besides the above common used types can be meet

JLGB0912(1000/Package)

SHAPE AND DIMENSIONS



unit: mm

Electrical Characteristics JLGB0912 Series

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	SRF (MHz) MIN	DCR (Ω)	I (mA) MAX
JLGB0912-103K	10000	0.0796	0.35	12	280
JLGB0912-123K	12000	0.0796	0.31	13	280
JLGB0912-153K	15000	0.0796	0.28	18	280
JLGB0912-183K	18000	0.0796	0.26	25	280
JLGB0912-223K	22000	0.0796	0.22	30	240
JLGB0912-273K	27000	0.0796	0.2	35	240
JLGB0912-333K	33000	0.0796	0.19	40	200
JLGB0912-393K	39000	0.0796	0.17	50	140
JLGB0912-473K	47000	0.0796	0.15	50	140
JLGB0912-563K	56000	0.0796	0.13	65	140
JLGB0912-683K	68000	0.0796	0.12	70	120
JLGB0912-823K	82000	0.0796	0.1	85	120
JLGB0912-104K	100000	0.0796	0.1	100	120

Special inquiries besides the above common used types can be meet