

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

J L G B 0608 - 122 K

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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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■ Notes:

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Inductance instrument: HP4286A/CH1062A or LCR Meter equivalent.

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Inductance testing condition: 100KHz/1KHz.

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DCR instrument: TH2512B or DCR test equipment equivalent .

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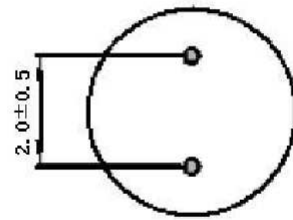
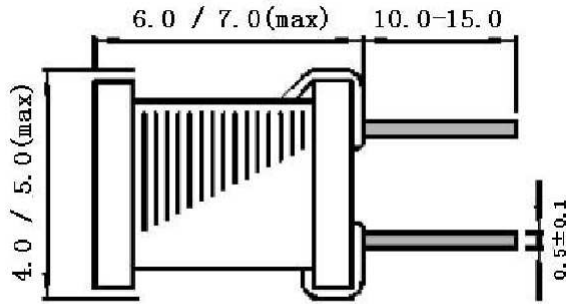
Rated Current test: VR7210&VR113H.

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Rated Current definition: Inductance drop by 25% or temperature rise by 40℃ ,
the lesser of the minimum as the rated current.

JLGB0406(1000/Package)

SHAPE AND DIMENSIONS



unit: mm

Electrical Characteristics JLGB0406 Series

Part NO	Inductance (μ H)	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

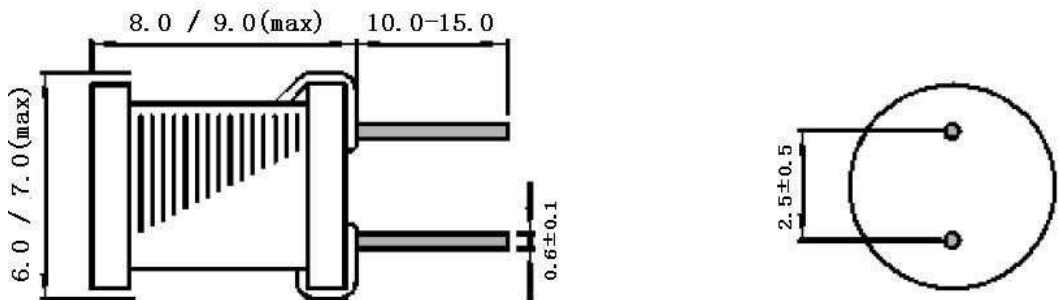
Electrical Characteristics JLGb0406 Series

Part NO	Inductance (μH)	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
JLGB0406-273K	27000	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 JLGb0608 Series

Part NO	Inductance (μH)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JLGB0608-1R0K	1	1	0.015	3800
JLGB0608-1R2K	1.2	1	0.015	3300
JLGB0608-1R5K	1.5	1	0.015	3300
JLGB0608-2R2K	2.2	1	0.015	3000
JLGB0608-2R7K	2.7	1	0.02	2800

Special inquiries besides the above common used types can be meet

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JLGB0608-3R3K	3.3	1	0.02	2800
JLGB0608-3R9K	3.9	1	0.025	2800
JLGB0608-4R7K	4.7	1	0.025	2800
JLGB0608-5R6K	5.6	1	0.03	2800
JLGB0608-6R8K	6.8	1	0.03	2500
JLGB0608-8R2K	8.2	1	0.035	2300
JLGB0608-100K	10	1	0.045	2200
JLGB0608-120K	12	1	0.05	2000
JLGB0608-150K	15	1	0.055	2000
JLGB0608-180K	18	1	0.09	1900
JLGB0608-220K	22	1	0.095	1700
JLGB0608-270K	27	1	0.11	1500
JLGB0608-330K	33	1	0.125	1300
JLGB0608-390K	39	1	0.14	1100
JLGB0608-470K	47	1	0.16	1000
JLGB0608-560K	56	1	0.18	1000
JLGB0608-680K	68	1	0.2	800
JLGB0608-820K	82	1	0.27	750
JLGB0608-101K	100	1	0.31	700
JLGB0608-121K	120	1	0.37	700
JLGB0608-151K	150	1	0.47	650
JLGB0608-181K	180	1	0.54	600
JLGB0608-221K	220	1	0.73	550
JLGB0608-271K	270	1	0.83	550
JLGB0608-331K	330	1	0.95	520
JLGB0608-391K	390	1	1.22	500
JLGB0608-471K	470	1	1.63	450
JLGB0608-561K	560	1	1.8	430
JLGB0608-681K	680	1	2.1	330
JLGB0608-821K	820	1	2.9	280
JLGB0608-102K	1000	1	3.2	200

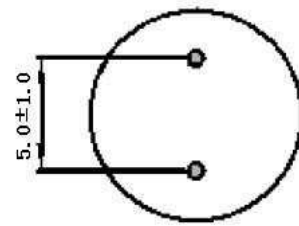
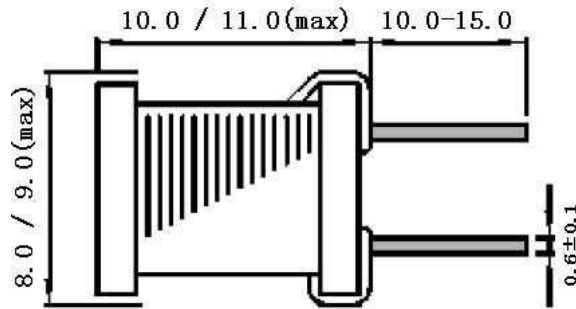
Special inquiries besides the above common used types can be meet

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JLGB0608-122K	1200	0.252	3.5	180
JLGB0608-152K	1500	0.252	4.5	160
JLGB0608-182K	1800	0.252	5	140
JLGB0608-222K	2200	0.252	6.2	120
JLGB0608-272K	2700	0.252	7.2	100
JLGB0608-332K	3300	0.252	10.5	95
JLGB0608-392K	3900	0.252	11.7	70
JLGB0608-472K	4700	0.252	13.6	80
JLGB0608-562K	5600	0.252	16.6	80
JLGB0608-682K	6800	0.252	19.6	70
JLGB0608-822K	8200	0.252	25.2	60
JLGB0608-103K	10000	0.0796	29.5	60
JLGB0608-123K	12000	0.0796	33.8	50
JLGB0608-153K	15000	0.0796	45.4	40
JLGB0608-183K	18000	0.0796	50.4	35
JLGB0608-223K	22000	0.0796	60	30
JLGB0608-303K	30000	0.0796	91.5	20
JLGB0608-333K	33000	0.0796	98.5	20
JLGB0608-393K	39000	0.0796	140	15
JLGB0608-473K	47000	0.0796	160	15
JLGB0608-503K	50000	0.0796	170	15
JLGB0608-563K	56000	0.0796	181	15
JLGB0608-683K	68000	0.0796	282	15
JLGB0608-823K	82000	0.0796	312	10
JLGB0608-104K	100000	0.0252	380	10
JLGB0608-124K	120000	0.0252	430	10
JLGB0608-154K	150000	0.0252	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)	DCR (Ω)	I (mA) MAX
JLGB0810-1R0K	1	1	0.015	4500
JLGB0810-1R5K	1.5	1	0.015	4500
JLGB0810-2R2K	2.2	1	0.02	4200
JLGB0810-2R7K	2.7	1	0.02	4200
JLGB0810-3R3K	3.3	1	0.02	4000
JLGB0810-3R9K	3.9	1	0.02	4000
JLGB0810-4R7K	4.7	1	0.025	4000
JLGB0810-5R6K	5.6	1	0.025	4000
JLGB0810-6R8K	6.8	1	0.025	3900
JLGB0810-8R2K	8.2	1	0.035	3500
JLGB0810-100K	10	1	0.04	3400
JLGB0810-120K	12	1	0.04	3200
JLGB0810-150K	15	1	0.045	2800
JLGB0810-180K	18	1	0.06	2500
JLGB0810-220K	22	1	0.07	2100
JLGB0810-270K	27	1	0.085	2000

Special inquiries besides the above common used types can be meet

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JLGB0810-330K	33	1	0.09	1800
JLGB0810-390K	39	1	0.1	1600
JLGB0810-470K	47	1	0.11	1500
JLGB0810-560K	56	1	0.15	1300
JLGB0810-680K	68	1	0.19	1000
JLGB0810-820K	82	1	0.21	900
JLGB0810-101K	100	1	0.24	800
JLGB0810-121K	120	1	0.26	800
JLGB0810-151K	150	1	0.31	750
JLGB0810-181K	180	1	0.38	700
JLGB0810-221K	220	1	0.43	650
JLGB0810-271K	270	1	0.49	630
JLGB0810-331K	330	1	0.66	600
JLGB0810-391K	390	1	0.79	580
JLGB0810-471K	470	1	0.91	520
JLGB0810-561K	560	1	1.13	500
JLGB0810-681K	680	1	1.3	400
JLGB0810-821K	820	1	1.53	350
JLGB0810-102K	1000	1	2	270
JLGB0810-122K	1200	1	2.3	200
JLGB0810-152K	1500	1	2.9	200
JLGB0810-182K	1800	1	3.5	200
JLGB0810-222K	2200	1	4.2	180
JLGB0810-272K	2700	1	5.1	130
JLGB0810-332K	3300	1	6.1	130
JLGB0810-392K	3900	1	7.8	100
JLGB0810-472K	4700	1	11	90
JLGB0810-562K	5600	1	11	90
JLGB0810-682K	6800	1	14	90
JLGB0810-822K	8200	1	15	90

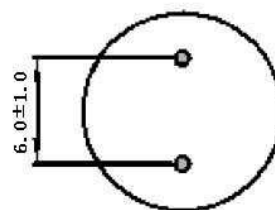
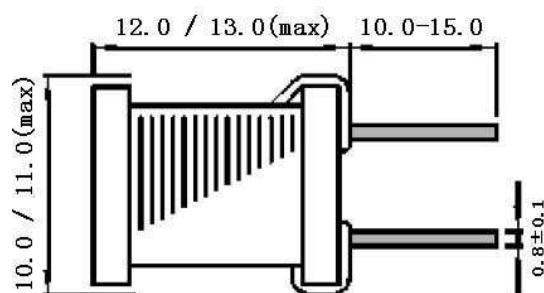
Special inquiries besides the above common used types can be mee

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JLGB0810-103K	10000	0.0796	20	90
JLGB0810-123K	12000	0.0796	24	90
JLGB0810-153K	15000	0.0796	28	90
JLGB0810-183K	18000	0.0796	42	90
JLGB0810-223K	22000	0.0796	43	70
JLGB0810-273K	27000	0.0796	55	70
JLGB0810-333K	33000	0.0796	65	60
JLGB0810-393K	39000	0.0796	87	25
JLGB0810-473K	47000	0.0796	98	25
JLGB0810-563K	56000	0.0796	128	20
JLGB0810-683K	68000	0.0796	141	20
JLGB0810-823K	82000	0.0796	161	20
JLGB0810-104K	100000	0.0796	180	20

Special inquiries besides the above common used types can be meet

JLGB0912(500/Package)

SHAPE AND DIMENSIONS



unit: mm

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JLGB0912-1R0K	1	1	0.015	5000
JLGB0912-1R5K	1.5	1	0.015	5000
JLGB0912-1R8K	1.8	1	0.015	5000
JLGB0912-2R2K	2.2	1	0.015	5000
JLGB0912-3R3K	3.3	1	0.02	4800
JLGB0912-3R9K	3.9	1	0.02	4800
JLGB0912-4R7K	4.7	1	0.02	4500
JLGB0912-5R6K	5.6	1	0.02	4500
JLGB0912-6R8K	6.8	1	0.025	4000
JLGB0912-8R2K	8.2	1	0.025	3800
JLGB0912-100K	10	1	0.03	3800
JLGB0912-120K	12	1	0.03	3500
JLGB0912-150K	15	1	0.04	3000
JLGB0912-180K	18	1	0.045	2800
JLGB0912-220K	22	1	0.05	2700
JLGB0912-270K	27	1	0.055	2500
JLGB0912-330K	33	1	0.055	2500
JLGB0912-390K	39	1	0.06	2000
JLGB0912-470K	47	1	0.07	1800
JLGB0912-560K	56	1	0.08	1700
JLGB0912-680K	68	1	0.09	1500
JLGB0912-820K	82	1	0.11	1400
JLGB0912-101K	100	1	0.16	1200
JLGB0912-121K	120	1	0.17	1100
JLGB0912-151K	150	1	0.2	1000
JLGB0912-181K	180	1	0.22	900
JLGB0912-221K	220	1	0.26	800
JLGB0912-271K	270	1	0.39	700
JLGB0912-331K	330	1	0.45	700
JLGB0912-391K	390	1	0.49	660
JLGB0912-471K	470	1	0.62	630

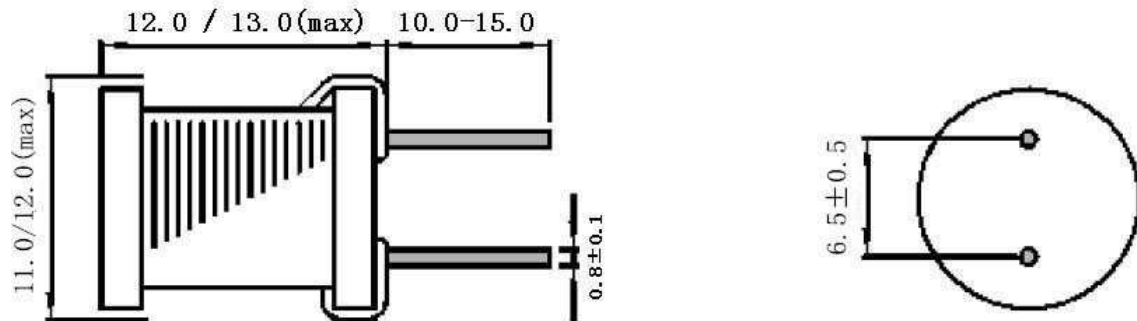
Special inquiries besides the above common used types can be meet

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JLGB0912-561K	560	1	0.64	570
JLGB0912-681K	680	1	0.79	450
JLGB0912-821K	820	1	1.34	400
JLGB0912-102K	1000	1	1.82	350
JLGB0912-122K	1200	1	2.3	300
JLGB0912-152K	1500	1	2.9	300
JLGB0912-182K	1800	1	3.3	300
JLGB0912-222K	2200	1	4.5	250
JLGB0912-272K	2700	1	5.5	230
JLGB0912-332K	3300	1	5.7	230
JLGB0912-392K	3900	1	6.5	200
JLGB0912-472K	4700	1	7.2	180
JLGB0912-562K	5600	1	9.5	180
JLGB0912-682K	6800	1	11	180
JLGB0912-822K	8200	1	13	180
JLGB0912-103K	10000	0.0796	12	180
JLGB0912-123K	12000	0.0796	13	180
JLGB0912-153K	15000	0.0796	18	180
JLGB0912-183K	18000	0.0796	25	180
JLGB0912-223K	22000	0.0796	30	140
JLGB0912-273K	27000	0.0796	35	140
JLGB0912-333K	33000	0.0796	40	120
JLGB0912-393K	39000	0.0796	50	100
JLGB0912-473K	47000	0.0796	50	100
JLGB0912-563K	56000	0.0796	65	100
JLGB0912-683K	68000	0.0796	70	80
JLGB0912-823K	82000	0.0796	85	80
JLGB0912-104K	100000	0.0796	100	80

Special inquiries besides the above common used types can be meet

JLGB1012(500/Package)

SHAPE AND DIMENSIONS



unit: mm

Electrical Characteristics JLGB1012 Series

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JLGB1012-1R0K	1	1	0.01	6000
JLGB1012-1R5K	1.5	1	0.01	6000
JLGB1012-1R8K	1.8	1	0.015	6000
JLGB1012-2R7K	2.7	1	0.015	5500
JLGB1012-3R3K	3.3	1	0.015	5500
JLGB1012-3R9K	3.9	1	0.02	5000
JLGB1012-4R7K	4.7	1	0.02	5000
JLGB1012-5R6K	5.6	1	0.025	4800
JLGB1012-6R8K	6.8	1	0.025	4800
JLGB1012-8R2K	8.2	1	0.025	4500
JLGB1012-100K	10	1	0.025	4500
JLGB1012-120K	12	1	0.025	4300
JLGB1012-150K	15	1	0.035	4300

Special inquiries besides the above common used types can be meet

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JLGB1012-180K	18	1	0.04	4000
JLGB1012-220K	22	1	0.045	3700
JLGB1012-270K	27	1	0.045	3500
JLGB1012-330K	33	1	0.055	3000
JLGB1012-390K	39	1	0.06	2500
JLGB1012-470K	47	1	0.08	2300
JLGB1012-560K	56	1	0.085	2000
JLGB1012-680K	68	1	0.095	2000
JLGB1012-820K	82	1	0.11	1800
JLGB1012-101K	100	1	0.14	1700
JLGB1012-121K	120	1	0.16	1500
JLGB1012-151K	150	1	0.18	1400
JLGB1012-181K	180	1	0.25	1300
JLGB1012-221K	220	1	0.28	1000
JLGB1012-271K	270	1	0.42	900
JLGB1012-331K	330	1	0.54	800
JLGB1012-391K	390	1	0.6	800
JLGB1012-471K	470	1	0.66	700
JLGB1012-561K	560	1	0.74	600
JLGB1012-681K	680	1	0.84	500
JLGB1012-821K	820	1	1.08	500
JLGB1012-102K	1000	1	1.39	500
JLGB1012-122K	1200	1	1.2	390
JLGB1012-152K	1500	1	1.4	390
JLGB1012-162K	1600	1	1.6	390
JLGB1012-182K	1800	1	1.8	390
JLGB1012-222K	2200	1	2	390
JLGB1012-272K	2700	1	2.2	330
JLGB1012-302K	3000	1	2.4	330
JLGB1012-332K	3300	1	2.6	330
JLGB1012-392K	3900	1	5.5	280

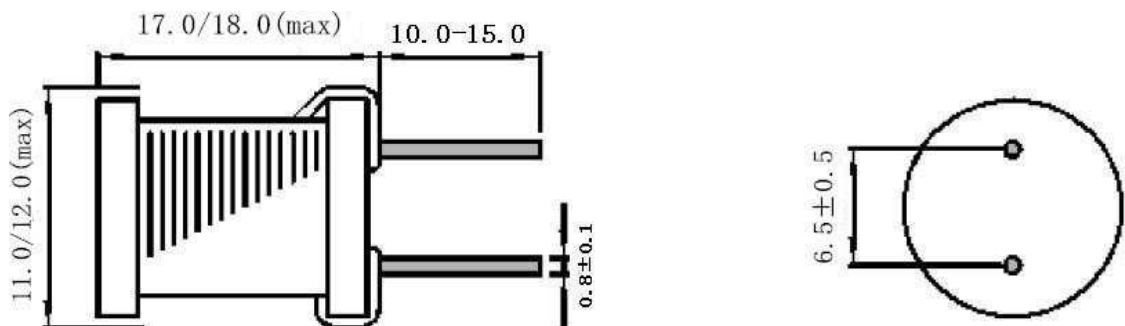
Special inquiries besides the above common used types can be meet

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JLGB1012-472K	4700	1	5.8	280
JLGB1012-562K	5600	1	6	280
JLGB1012-682K	6800	1	6.6	280
JLGB1012-752K	7500	1	9.5	280
JLGB1012-822K	8200	1	11	280
JLGB1012-103K	10000	1	12	280
JLGB1012-123K	12000	1	13	280
JLGB1012-153K	15000	1	18	280
JLGB1012-183K	18000	1	25	280
JLGB1012-223K	22000	1	30	240
JLGB1012-273K	27000	1	35	240
JLGB1012-333K	33000	1	40	200
JLGB1012-393K	39000	1	50	140
JLGB1012-473K	47000	1	50	140
JLGB1012-563K	56000	1	65	140
JLGB1012-683K	68000	1	70	120
JLGB1012-823K	82000	1	85	120
JLGB1012-104K	100000	1	100	120

Special inquiries besides the above common used types can be meet

JLGB1016(250/Package)

SHAPE AND DIMENSIONS



unit: mm

Electrical Characteristics JLGB1016 Series

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JLGB1016-1R0K	1	1	0.01	9000
JLGB1016-1R5K	1.5	1	0.015	9000
JLGB1016-1R8K	1.8	1	0.015	9000
JLGB1016-2R7K	2.7	1	0.015	9000
JLGB1016-3R3K	3.3	1	0.015	8500
JLGB1016-3R9K	3.9	1	0.015	8000
JLGB1016-4R7K	4.7	1	0.02	7500
JLGB1016-5R6K	5.6	1	0.025	7500
JLGB1016-6R8K	6.8	1	0.025	7500
JLGB1016-8R2K	8.2	1	0.025	7200
JLGB1016-100K	10	1	0.03	7200
JLGB1016-120K	12	1	0.03	7000
JLGB1016-150K	15	1	0.035	6500

Special inquiries besides the above common used types can be meet

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JLGB1016-180K	18	1	0.035	6300
JLGB1016-220K	22	1	0.045	5500
JLGB1016-270K	27	1	0.05	4500
JLGB1016-330K	33	1	0.07	4000
JLGB1016-390K	39	1	0.07	3800
JLGB1016-470K	47	1	0.07	3600
JLGB1016-560K	56	1	0.08	3200
JLGB1016-680K	68	1	0.09	3000
JLGB1016-820K	82	1	0.095	2600
JLGB1016-101K	100	1	0.12	2500
JLGB1016-121K	120	1	0.14	2300
JLGB1016-151K	150	1	0.17	2100
JLGB1016-181K	180	1	0.19	2000
JLGB1016-221K	220	1	0.25	1800
JLGB1016-271K	270	1	0.34	1500
JLGB1016-331K	330	1	0.45	1500
JLGB1016-391K	390	1	0.51	1300
JLGB1016-471K	470	1	0.56	1200
JLGB1016-561K	560	1	0.64	1000
JLGB1016-681K	680	1	0.71	1000
JLGB1016-821K	820	1	1.01	900
JLGB1016-102K	1000	1	1.2	800
JYGL1016-122K	1200	1	1.5	620
JYGL1016-152K	1500	1	1.7	550
JYGL1016-162K	1600	1	1.7	490
JYGL1016-182K	1800	1	1.8	490
JYGL1016-222K	2200	1	2.4	400
JYGL1016-272K	2700	1	2.8	350
JYGL1016-302K	3000	1	3.7	350
JYGL1016-332K	3300	1	3.7	350
JYGL1016-392K	3900	1	5	300

Special inquiries besides the above common used types can be meet

Part NO	Inductance (μ H)	TESTING FREQ (MHz)	DCR (Ω)	I (mA) MAX
JYGL1016-472K	4700	1	5.6	300
JYGL1016-562K	5600	1	6.3	300
JYGL1016-682K	6800	1	8.4	300
JYGL1016-752K	7500	1	9.6	300
JYGL1016-822K	8200	1	9.6	300
JYGL1016-103K	10000	1	10.5	300
JYGL1016-123K	12000	1	14	300
JYGL1016-153K	15000	1	20	300
JYGL1016-183K	18000	1	27	300
JYGL1016-223K	22000	1	31	280
JYGL1016-273K	27000	1	33	280
JYGL1016-333K	33000	1	40	220
JYGL1016-393K	39000	1	51	160
JYGL1016-473K	47000	1	56	160
JYGL1016-563K	56000	1	65	160
JYGL1016-683K	68000	1	70	140
JYGL1016-823K	82000	1	85	140
JYGL1016-104K	100000	1	100	140

Special inquiries besides the above common used types can be meet

TYPE	QUANTITIES PCS/TYPE	TYPE	QUANTITIES PCS/TYPE
JYGL0406	1000	JYGL0912	500
JYGL0608	1000	JYGL1012	500
JYGL0810	500	JYGL1016	250