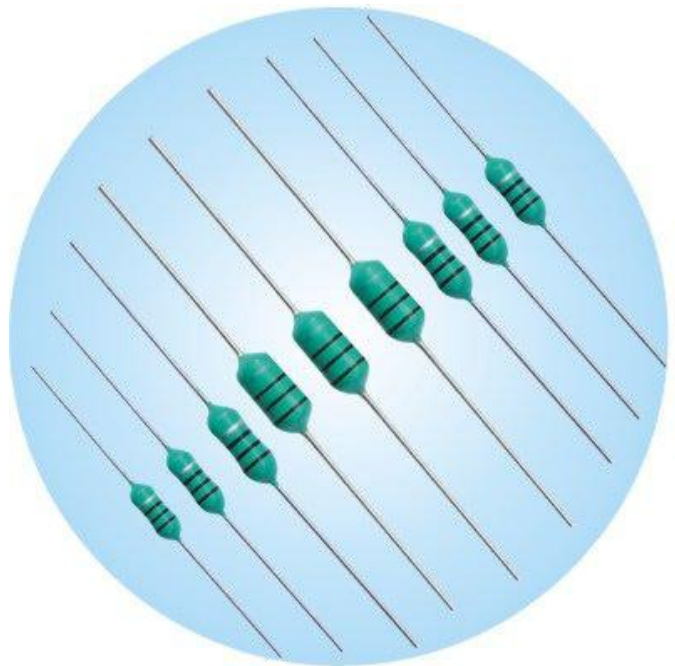


JLGA0204/0307/0410/0510 SERIES



FEATURES/APPLICATOINS

- .Can be used in a wide range of frequency to suppress EMI
- .Excellent solder ability
- .Suitable for reflow STM craft soldering
- .Lead free products, ROHS compliant
- .Widely use in Noise suppression in Digital equipment such as Computer peripheral devices /VCR /VCD /DVD /Camera /OA equipments etc.

Page

Color discrimination.....2

Product indication.....3

Shape and dimensions.....3

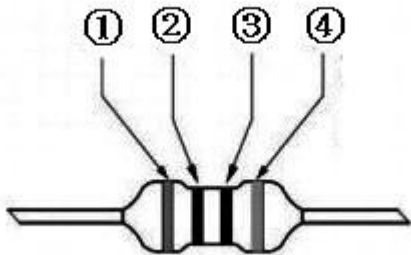
JLGA0204 Series.....4

JLGA0307 Series.....5

JLGA0410 Series.....6

JLGA0510 Series.....8

COLOR DISCRIMINATION



①②: BROWN 1, RED 2, ORANGE 3, YELLOW 4, GREEN 5, BLUE 6, PURPLE 7, GRAY 8, WHITE 9, BLACK 0.

③: **MULTIPLYING POWER**

BROWN *10¹, RED*10², ORANGE*10³,

YELLOW*10⁴, GREEN*10⁵, BLUE*10⁶,

PURPLE*10⁷, GRAY *10⁸, WHITE*10⁹

BLACK*10⁰,GOLDEN*10⁻¹,SILVERY*10⁻²

④TOLERANCE:BLACK ±20%

SILVERY ±10%

GOLDEN ±5%

SUCH AS ---39uH ORANGE WHITE BLACK SILVERY

PRODUCT INDICATION

JLGA 0410 - R22 K

①

②

③

④

① Product type: JLGA type

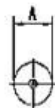
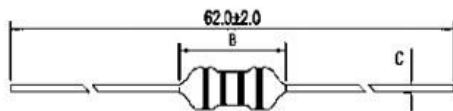
② External dimension: 04 for Diameter 4.0mm, 10 for Length 10.0mm

③ Nominal impedance: R22 for 220NH

④ Tolerance: S for $\pm 0.3nH$ J for $\pm 5\%$ K for $\pm 10\%$

M for $\pm 20\%$

SHAPE AND DIMENSIONS



UNIT:MM

| P/N | A(MAX) | B(MAX) | C(MAX) |
|----------|--------|--------|---------|
| JLGA0204 | 2.8 | 4 | 0.5±0.1 |
| JLGA0307 | 3 | 7.62 | 0.5±0.1 |
| JLGA0410 | 4 | 10.5 | 0.6±0.1 |
| JLGA0510 | 5 | 12 | 0.6±0.1 |

Tester Machine

L/Q:HP4285A PRECISION LCR METER

Electrical Characteristics JLGA0204 Series(4000pcs/box)

| Part NO | L(uH) | L Tol(%) | Q Min | L,Qtest Freq.(MHz) | S.R.F (MHz)Min | DCR(Ω)Max | Ir(mA)Max |
|---------------|-------|----------|-------|--------------------|----------------|--------------------|-----------|
| JLGA0204-R22M | 0.22 | ±20% | 35 | 25.2 | 150 | 0.4 | 400 |
| JLGA0204-R27M | 0.27 | ±20% | 35 | 25.2 | 150 | 0.43 | 380 |
| JLGA0204-R33M | 0.33 | ±20% | 35 | 25.2 | 150 | 0.48 | 370 |
| JLGA0204-R39M | 0.39 | ±20% | 35 | 25.2 | 150 | 0.51 | 350 |
| JLGA0204-R47M | 0.47 | ±20% | 35 | 25.2 | 150 | 0.56 | 320 |
| JLGA0204-R56M | 0.56 | ±20% | 40 | 25.2 | 150 | 0.61 | 320 |
| JLGA0204-R68M | 0.68 | ±20% | 40 | 25.2 | 150 | 0.67 | 310 |
| JLGA0204-R82M | 0.82 | ±20% | 40 | 25.2 | 150 | 0.74 | 290 |
| JLGA0204-1R0M | 1 | ±20% | 40 | 25.2 | 150 | 0.8 | 270 |
| JLGA0204-1R2M | 1.2 | ±20% | 50 | 7.96 | 144 | 0.9 | 260 |
| JLGA0204-1R5M | 1.5 | ±20% | 50 | 7.96 | 131 | 1 | 250 |
| JLGA0204-1R8M | 1.8 | ±20% | 50 | 7.96 | 121 | 1.1 | 240 |
| JLGA0204-2R2M | 2.2 | ±20% | 50 | 7.96 | 110 | 1.2 | 230 |
| JLGA0204-2R7M | 2.7 | ±20% | 50 | 7.96 | 100 | 1.3 | 220 |
| JLGA0204-3R3K | 3.3 | ±10% | 50 | 7.96 | 94 | 1.4 | 210 |
| JLGA0204-3R9K | 3.9 | ±10% | 50 | 7.96 | 65 | 1.6 | 200 |
| JLGA0204-4R7K | 4.7 | ±10% | 50 | 7.96 | 56 | 1.7 | 190 |
| JLGA0204-5R6K | 5.6 | ±10% | 50 | 7.96 | 48 | 1.9 | 180 |
| JLGA0204-6R8K | 6.8 | ±10% | 50 | 7.96 | 37 | 2 | 175 |
| JLGA0204-8R2K | 8.2 | ±10% | 50 | 7.96 | 25 | 2.2 | 165 |
| JLGA0204-100K | 10 | ±10% | 50 | 7.96 | 21 | 2.5 | 160 |
| JLGA0204-120K | 12 | ±10% | 30 | 2.52 | 19 | 2.5 | 150 |
| JLGA0204-150K | 15 | ±10% | 30 | 2.52 | 17 | 2.8 | 145 |
| JLGA0204-180K | 18 | ±10% | 30 | 2.52 | 13 | 1.39 | 140 |
| JLGA0204-220K | 22 | ±10% | 30 | 2.52 | 9.6 | 1.68 | 130 |
| JLGA0204-270K | 27 | ±10% | 30 | 2.52 | 7.2 | 3 | 125 |
| JLGA0204-330K | 33 | ±10% | 30 | 2.52 | 6.3 | 3.05 | 120 |
| JLGA0204-390K | 39 | ±10% | 30 | 2.52 | 6.3 | 2.7 | 115 |
| JLGA0204-470K | 47 | ±10% | 30 | 2.52 | 6.3 | 3.1 | 110 |
| JLGA0204-560K | 56 | ±10% | 30 | 2.52 | 6.2 | | 105 |
| JLGA0204-680K | 68 | ±10% | 30 | 2.52 | 5.7 | | 100 |
| JLGA0204-820K | 82 | ±10% | 30 | 2.52 | 5.3 | | 95 |
| JLGA0204-101K | 100 | ±10% | 30 | 2.52 | 4.8 | 6.7 | 90 |
| JLGA0204-121K | 120 | ±10% | 30 | 0.976 | 3.8 | | 90 |
| JLGA0204-151K | 150 | ±10% | 30 | 0.976 | 3.5 | | 85 |
| JLGA0204-181K | 180 | ±10% | 30 | 0.976 | 3.3 | | 80 |

Special inquiries besides the above common used types can be meet

| Part NO | L(uH) | L Tol(%) | Q Min | L,Qtest Freq.(MHz) | S.R.F (MHz)Min | DCR(Ω)Max | Ir(mA)Max |
|---------------|-------|----------|-------|--------------------|----------------|-----------|-----------|
| JLGA0204-221K | 220 | ±10% | 30 | 0.976 | 3 | | 75 |
| JLGA0204-271K | 270 | ±10% | 30 | 0.976 | 2.8 | | 65 |
| JLGA0204-331K | 330 | ±10% | 30 | 0.976 | 2.6 | | 60 |
| JLGA0204-391K | 390 | ±10% | 30 | 0.976 | 2.4 | | 55 |
| JLGA0204-471K | 470 | ±10% | 30 | 0.976 | 2.25 | | 55 |
| JLGA0204-561K | 560 | ±10% | 30 | 0.976 | 2.1 | | 50 |
| JLGA0204-681K | 680 | ±10% | 30 | 0.976 | 1.95 | | 45 |
| JLGA0204-821K | 820 | ±10% | 30 | 0.976 | 1.85 | | 40 |
| JLGA0204-102K | 1000 | ±10% | 30 | 0.976 | 1.4 | | 40 |

Special inquiries besides the above common used types can be meet

Electrical Characteristics JLGA0307 Series(3000pcs/box)

| Part NO | L(uH) | L Tol(%) | Q Min | L,Qtest Freq.(MHz) | S.R.F (MHz)Min | DCR(Ω)Max | Ir(mA)Max |
|---------------|-------|----------|-------|--------------------|----------------|-----------|-----------|
| JLGA0307-R10M | 0.1 | ±20% | 30 | 25.2 | 280 | 0.085 | 700 |
| JLGA0307-R12M | 0.12 | ±20% | 30 | 25.2 | 280 | 0.085 | 700 |
| JLGA0307-R15M | 0.15 | ±20% | 30 | 25.2 | 280 | 0.095 | 700 |
| JLGA0307-R18M | 0.18 | ±20% | 30 | 25.2 | 280 | 0.12 | 700 |
| JLGA0307-R22M | 0.22 | ±20% | 40 | 25.2 | 280 | 0.15 | 700 |
| JLGA0307-R27M | 0.27 | ±20% | 40 | 25.2 | 260 | 0.15 | 700 |
| JLGA0307-R33M | 0.33 | ±20% | 40 | 25.2 | 250 | 0.15 | 700 |
| JLGA0307-R39M | 0.39 | ±20% | 40 | 25.2 | 220 | 0.17 | 700 |
| JLGA0307-R47M | 0.47 | ±20% | 40 | 25.2 | 200 | 0.17 | 700 |
| JLGA0307-R56M | 0.56 | ±20% | 40 | 25.2 | 180 | 0.17 | 700 |
| JLGA0307-R68M | 0.68 | ±20% | 40 | 25.2 | 160 | 0.18 | 700 |
| JLGA0307-R82M | 0.82 | ±20% | 40 | 25.2 | 140 | 0.18 | 700 |
| JLGA0307-1R0M | 1 | ±20% | 40 | 25.2 | 135 | 0.18 | 700 |
| JLGA0307-1R2K | 1.2 | ±10% | 40 | 7.96 | 135 | 0.18 | 700 |
| JLGA0307-1R5K | 1.5 | ±10% | 40 | 7.96 | 130 | 0.2 | 700 |
| JLGA0307-1R8K | 1.8 | ±10% | 40 | 7.96 | 125 | 0.23 | 655 |
| JLGA0307-2R2K | 2.2 | ±10% | 40 | 7.96 | 80 | 0.25 | 630 |
| JLGA0307-2R7K | 2.7 | ±10% | 40 | 7.96 | 80 | 0.28 | 595 |
| JLGA0307-3R3K | 3.3 | ±10% | 40 | 7.96 | 70 | 0.3 | 575 |
| JLGA0307-3R9K | 3.9 | ±10% | 40 | 7.96 | 65 | 0.32 | 555 |
| JLGA0307-4R7K | 4.7 | ±10% | 40 | 7.96 | 45 | 0.35 | 530 |
| JLGA0307-5R6K | 5.6 | ±10% | 40 | 7.96 | 49 | 0.4 | 500 |
| JLGA0307-6R8K | 6.8 | ±10% | 40 | 7.96 | 30 | 0.45 | 470 |

Special inquiries besides the above common used types can be meet

| Part NO | L(uH) | L Tol(%) | Q Min | L,Qtest Freq.(MHz) | S.R.F (MHz)Min | DCR(Ω)Max | Ir(mA)Max |
|---------------|-------|----------|-------|--------------------|----------------|-----------|-----------|
| JLGA0307-8R2K | 8.2 | ±10% | 40 | 7.96 | 28 | 0.56 | 425 |
| JLGA0307-100K | 10 | ±10% | 40 | 7.96 | 22 | 0.72 | 370 |
| JLGA0307-120K | 12 | ±10% | 40 | 2.52 | 20 | 0.8 | 350 |
| JLGA0307-150K | 15 | ±10% | 40 | 2.52 | 16 | 0.88 | 335 |
| JLGA0307-180K | 18 | ±10% | 40 | 2.52 | 15 | 1 | 315 |
| JLGA0307-220K | 22 | ±10% | 40 | 2.52 | 13 | 1.2 | 285 |
| JLGA0307-270K | 27 | ±10% | 40 | 2.52 | 11 | 1.35 | 270 |
| JLGA0307-330K | 33 | ±10% | 40 | 2.52 | 10 | 1.5 | 255 |
| JLGA0307-390K | 39 | ±10% | 40 | 2.52 | 9.5 | 1.7 | 240 |
| JLGA0307-470K | 47 | ±10% | 40 | 2.52 | 8.5 | 2.3 | 205 |
| JLGA0307-560K | 56 | ±10% | 40 | 2.52 | 7.5 | 2.6 | 195 |
| JLGA0307-680K | 68 | ±10% | 40 | 2.52 | 6.5 | 2.9 | 185 |
| JLGA0307-820K | 82 | ±10% | 40 | 2.52 | 6 | 3.2 | 175 |
| JLGA0307-101K | 100 | ±10% | 40 | 2.52 | 5.5 | 3.8 | 165 |
| JLGA0307-121K | 120 | ±10% | 40 | 2.52 | 5.4 | 4.2 | 160 |
| JLGA0307-151K | 150 | ±10% | 60 | 0.796 | 4.75 | 4.4 | 150 |
| JLGA0307-181K | 180 | ±10% | 60 | 0.796 | 4.35 | 5 | 140 |
| JLGA0307-221K | 220 | ±10% | 60 | 0.796 | 4 | 5.7 | 130 |
| JLGA0307-271K | 270 | ±10% | 60 | 0.796 | 3.7 | 7.5 | 120 |
| JLGA0307-331K | 330 | ±10% | 60 | 0.796 | 3.4 | 9.5 | 100 |
| JLGA0307-391K | 390 | ±10% | 60 | 0.796 | 2.8 | 10.5 | 95 |
| JLGA0307-471K | 470 | ±10% | 60 | 0.796 | 2.56 | 11.6 | 90 |
| JLGA0307-561K | 560 | ±10% | 60 | 0.796 | 2.35 | 13 | 85 |
| JLGA0307-681K | 680 | ±10% | 60 | 0.796 | 2 | 18 | 75 |
| JLGA0307-821K | 820 | ±10% | 60 | 0.796 | 1.6 | 23.7 | 65 |
| JLGA0307-102K | 1000 | ±10% | 60 | 0.796 | 1.15 | 30 | 60 |

Special inquiries besides the above common used types can be meet

Electrical Characteristics JLGA0410 Series(2000pcs/box)

| Part NO | L(uH) | L Tol(%) | Q Min | L,Qtest Freq.(MHz) | S.R.F (MHz)Min | DCR(Ω)Max | Ir(mA)Max |
|---------------|-------|----------|-------|--------------------|----------------|-----------|-----------|
| JLGA0410-R22M | 0.22 | ±20% | 45 | 25.2 | 300 | 0.1 | 1400 |
| JLGA0410-R27M | 0.27 | ±20% | 45 | 25.2 | 270 | 0.11 | 1320 |
| JLGA0410-R33M | 0.33 | ±20% | 45 | 25.2 | 250 | 0.12 | 1280 |
| JLGA0410-R39M | 0.39 | ±20% | 45 | 25.2 | 230 | 0.13 | 1200 |
| JLGA0410-R47M | 0.47 | ±20% | 45 | 25.2 | 220 | 0.14 | 1150 |

Special inquiries besides the above common used types can be meet

| Part NO | L(uH) | L Tol(%) | Q Min | L,Qtest Freq.(MHz) | S.R.F (MHz)Min | DCR(Ω)Max | Ir(mA)Max |
|---------------|-------|----------|-------|--------------------|----------------|-----------|-----------|
| JLGA0410-R56M | 0.56 | ±20% | 45 | 25.2 | 200 | 0.15 | 1100 |
| JLGA0410-R68M | 0.68 | ±20% | 45 | 25.2 | 190 | 0.16 | 1030 |
| JLGA0410-R82M | 0.82 | ±20% | 45 | 25.2 | 172 | 0.17 | 980 |
| JLGA0410-1R0M | 1 | ±20% | 45 | 25.2 | 157 | 0.19 | 920 |
| JLGA0410-1R2M | 1.2 | ±20% | 50 | 7.96 | 144 | 0.21 | 880 |
| JLGA0410-1R5M | 1.5 | ±20% | 50 | 7.96 | 131 | 0.23 | 830 |
| JLGA0410-1R8M | 1.8 | ±20% | 55 | 7.96 | 121 | 0.25 | 790 |
| JLGA0410-2R2M | 2.2 | ±20% | 55 | 7.96 | 110 | 0.28 | 750 |
| JLGA0410-2R7M | 2.7 | ±20% | 60 | 7.96 | 100 | 0.3 | 720 |
| JLGA0410-3R3K | 3.3 | ±10% | 65 | 7.96 | 94 | 0.34 | 670 |
| JLGA0410-3R9K | 3.9 | ±10% | 65 | 7.96 | 65 | 0.37 | 640 |
| JLGA0410-4R7K | 4.7 | ±10% | 70 | 7.96 | 56 | 0.39 | 620 |
| JLGA0410-5R6K | 5.6 | ±10% | 70 | 7.96 | 48 | 0.43 | 590 |
| JLGA0410-6R8K | 6.8 | ±10% | 75 | 7.96 | 37 | 0.48 | 550 |
| JLGA0410-8R2K | 8.2 | ±10% | 80 | 7.96 | 25 | 0.52 | 530 |
| JLGA0410-100K | 10 | ±10% | 85 | 7.96 | 21 | 0.58 | 500 |
| JLGA0410-120K | 12 | ±10% | 50 | 2.52 | 19 | 0.63 | 480 |
| JLGA0410-150K | 15 | ±10% | 50 | 2.52 | 17 | 0.72 | 460 |
| JLGA0410-180K | 18 | ±10% | 50 | 2.52 | 13 | 0.77 | 430 |
| JLGA0410-220K | 22 | ±10% | 50 | 2.52 | 9.6 | 0.84 | 410 |
| JLGA0410-270K | 27 | ±10% | 55 | 2.52 | 7.2 | 0.94 | 390 |
| JLGA0410-330K | 33 | ±10% | 55 | 2.52 | 6.3 | 1.03 | 370 |
| JLGA0410-390K | 39 | ±10% | 50 | 2.52 | 6.3 | 1.12 | 350 |
| JLGA0410-470K | 47 | ±10% | 45 | 2.52 | 6.3 | 1.22 | 340 |
| JLGA0410-560K | 56 | ±10% | 40 | 2.52 | 6.2 | 1.34 | 320 |
| JLGA0410-680K | 68 | ±10% | 40 | 2.52 | 5.7 | 1.47 | 305 |
| JLGA0410-820K | 82 | ±10% | 55 | 2.52 | 5.3 | 1.62 | 290 |
| JLGA0410-101K | 100 | ±10% | 50 | 2.52 | 4.8 | 1.8 | 275 |
| JLGA0410-121K | 120 | ±10% | 55 | 0.976 | 3.8 | 3.7 | 185 |
| JLGA0410-151K | 150 | ±10% | 45 | 0.976 | 3.5 | 4.2 | 175 |
| JLGA0410-181K | 180 | ±10% | 50 | 0.976 | 3.3 | 4.6 | 165 |
| JLGA0410-221K | 220 | ±10% | 55 | 0.976 | 3 | 5.1 | 155 |
| JLGA0410-271K | 270 | ±10% | 65 | 0.976 | 2.8 | 5.8 | 145 |
| JLGA0410-331K | 330 | ±10% | 65 | 0.976 | 2.6 | 6.4 | 137 |
| JLGA0410-391K | 390 | ±10% | 65 | 0.976 | 2.4 | 7 | 133 |
| JLGA0410-471K | 470 | ±10% | 60 | 0.976 | 2.25 | 7.7 | 126 |
| JLGA0410-561K | 560 | ±10% | 60 | 0.976 | 2.1 | 8.5 | 120 |
| JLGA0410-681K | 680 | ±10% | 55 | 0.976 | 1.95 | 9.4 | 113 |

Special inquiries besides the above common used types can be meet

| Part NO | L(uH) | L Tol(%) | Q Min | L,Qtest Freq.(MHz) | S.R.F (MHz)Min | DCR(Ω)Max | Ir(mA)Max |
|---------------|-------|----------|-------|--------------------|----------------|-----------|-----------|
| JLGA0410-821K | 820 | ±10% | 55 | 0.976 | 1.85 | 10.5 | 105 |
| JLGA0410-102K | 1000 | ±10% | 50 | 0.252 | 1.4 | 14 | 100 |

Special inquiries besides the above common used types can be meet

Electrical Characteristics JLGA0510 Series(1000pcs/box)

| Part NO | L(mH) | L Tol(%) | Q Min | L,Qtest Freq.(MHz) | DCR(Ω)Max | Ir(mA)Max |
|---------------|-------|----------|-------|--------------------|-----------|-----------|
| JLGA0510-122K | 1.2 | ±10% | 80 | 0.252 | 9 | 75 |
| JLGA0510-152K | 1.5 | ±10% | 80 | 0.252 | 10 | 69 |
| JLGA0510-182K | 1.8 | ±10% | 80 | 0.252 | 11 | 60 |
| JLGA0510-222K | 2.2 | ±10% | 80 | 0.252 | 14 | 58 |
| JLGA0510-272K | 2.7 | ±10% | 80 | 0.252 | 18 | 52 |
| JLGA0510-332K | 3.3 | ±10% | 80 | 0.252 | 22 | 48 |
| JLGA0510-392K | 3.9 | ±10% | 80 | 0.252 | 26 | 45 |
| JLGA0510-472K | 4.7 | ±10% | 80 | 0.252 | 32 | 40 |
| JLGA0510-562K | 5.6 | ±10% | 70 | 0.252 | 34 | 37 |
| JLGA0510-682K | 6.8 | ±10% | 70 | 0.252 | 45 | 34 |
| JLGA0510-822K | 8.2 | ±10% | 50 | 0.252 | 60 | 31 |
| JLGA0510-103K | 10 | ±10% | 50 | 0.0796 | 70 | 28 |
| JLGA0510-123K | 12 | ±10% | 50 | 0.0796 | 82 | 24 |
| JLGA0510-153K | 15 | ±10% | 50 | 0.0796 | 89 | 22 |
| JLGA0510-183K | 18 | ±10% | 40 | 0.0796 | 141 | 14 |
| JLGA0510-223K | 22 | ±10% | 40 | 0.0796 | 170 | 12 |
| JLGA0510-253K | 25 | ±10% | 40 | 0.0796 | 185 | 11 |
| JLGA0510-273K | 27 | ±10% | 40 | 0.0796 | 210 | 9.5 |
| JLGA0510-303K | 30 | ±10% | 40 | 0.0796 | 240 | 8.5 |
| JLGA0510-333K | 33 | ±10% | 40 | 0.0796 | 250 | 8 |

Special inquiries besides the above common used types can be meet