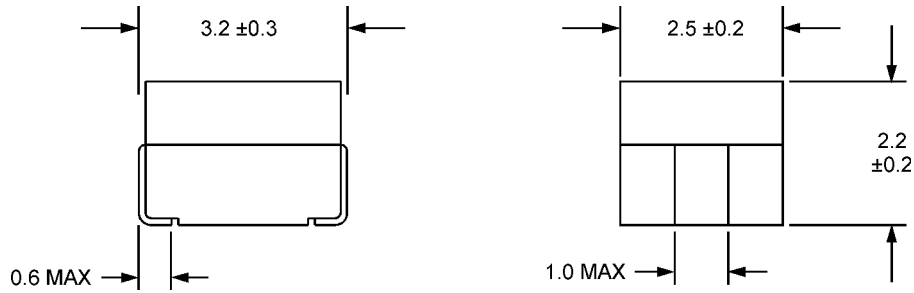


JOYOUS INDUCTOR

JSRW1210 Wire Wound Chip



GENERAL SPECIFICATIONS

| | |
|------------------------------|--|
| Inductance Range | 0.10μH to 100μH |
| Tolerance | 20%, 10%, or 5% |
| Test Frequency | 25.2MHz over 0.10μH to 0.82μH, 7.96MHz over 1.0μH to 8.2μH 2.52MHz over 10μH to 82μH, 0.796MHz at 100μH |
| Operating Temperature | -25°C to +100°C |
| Construction | Molded Epoxy |

SPECIFICATIONS

| L Code | L (μH) | Q (Min) | SRF Min (MHz) | DCR Max (Ω) | IDC Max (mA) | L Code | L (μH) | Q (Min) | SRF Min (MHz) | DCR Max (Ω) | IDC Max (mA) |
|--------|--------|---------|---------------|-------------|--------------|--------|--------|---------|---------------|-------------|--------------|
| R10 | 0.10 | 28 | 700 | 0.44 | 450 | 3R9 | 3.9 | 30 | 55 | 1.30 | 250 |
| R12 | 0.12 | 30 | 500 | 0.22 | 450 | 4R7 | 4.7 | 30 | 50 | 1.50 | 220 |
| R15 | 0.15 | 30 | 450 | 0.25 | 450 | 5R6 | 5.6 | 30 | 47 | 1.60 | 200 |
| R18 | 0.18 | 30 | 400 | 0.28 | 450 | 6R8 | 6.8 | 30 | 43 | 1.80 | 180 |
| R22 | 0.22 | 30 | 350 | 0.32 | 450 | 8R2 | 8.2 | 30 | 40 | 2.00 | 170 |
| R27 | 0.27 | 30 | 320 | 0.36 | 450 | 100 | 10 | 30 | 36 | 2.10 | 150 |
| R33 | 0.33 | 30 | 300 | 0.40 | 450 | 120 | 12 | 30 | 33 | 2.50 | 140 |
| R39 | 0.39 | 30 | 250 | 0.45 | 450 | 150 | 15 | 30 | 28 | 2.80 | 130 |
| R47 | 0.47 | 30 | 220 | 0.50 | 450 | 180 | 18 | 30 | 25 | 3.30 | 120 |
| R56 | 0.56 | 30 | 180 | 0.55 | 450 | 220 | 22 | 30 | 23 | 3.70 | 110 |
| R68 | 0.68 | 30 | 160 | 0.60 | 450 | 270 | 27 | 30 | 18 | 5.00 | 80 |
| R82 | 0.82 | 30 | 140 | 0.65 | 450 | 330 | 33 | 30 | 17 | 5.60 | 70 |
| 1R0 | 1.0 | 30 | 120 | 0.70 | 400 | 390 | 39 | 30 | 16 | 6.40 | 65 |
| 1R2 | 1.2 | 30 | 100 | 0.75 | 390 | 470 | 47 | 30 | 15 | 7.00 | 60 |
| 1R5 | 1.5 | 30 | 85 | 0.85 | 370 | 560 | 56 | 30 | 13 | 8.00 | 55 |
| 1R8 | 1.8 | 30 | 80 | 0.90 | 350 | 680 | 68 | 30 | 12 | 9.00 | 50 |
| 2R2 | 2.2 | 30 | 75 | 1.00 | 320 | 820 | 82 | 30 | 11 | 10.00 | 45 |
| 2R7 | 2.7 | 30 | 70 | 1.10 | 290 | 101 | 100 | 20 | 10 | 11.00 | 40 |
| 3R3 | 3.3 | 30 | 60 | 1.20 | 260 | | | | | | |

PART NUMBERING GUIDE

| | | | | |
|---------------------------|---|------------------------|---|--|
| JSRW1210 | - | 1R0 | M | TR |
| SERIES JSRW1210 | | INDUCTANCE CODE | INDUCTANCE TOLERANCE M=20% K=10% J=5% | PACKAGING Blank=Bulk TR=Tape and Reel |