

## SMD Power Coils(shielding)

### SMD Power Coil - JPRH series



#### Features

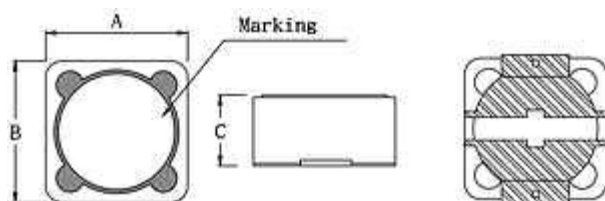
- ◆JPRH series is superior to be high saturation for surface mounting
- ◆Magnetic shielding
- ◆Very small footprint
- ◆Flat-top for pick and place
- ◆Increased size selection guide
- ◆Low resistance to keep power loss minimum

#### Product identification .

JPRH 0703 — 5R8 M

- Product Type
- Dimension
- Inductance Value
- Tolerance

#### Shape .



### Dimension .

| Part No   | Size (mm) |          |         |
|-----------|-----------|----------|---------|
|           | A         | B        | C       |
| JPRH 0703 | 7.3±0.2   | 7.3±0.2  | 3.2±0.2 |
| JPRH 0704 | 7.3±0.2   | 7.3±0.2  | 4.5 Max |
| JPRH 1205 | 12.0±0.3  | 12.0±0.3 | 6.0 Max |
| JPRH 1207 | 12.0±0.3  | 12.0±0.3 | 8.0 Max |

### Series

| PART | L    | JPRH 0703 |        | JPRH 0704 |        | JPRH 1205 |        | JPRH 1207 |        |
|------|------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|
| CODE | (μH) | RDC(Ω)    | IDC(A) | RDC(Ω)    | IDC(A) | RDC(Ω)    | IDC(A) | RDC(Ω)    | IDC(A) |
| 1R0  | 1.0  |           |        |           |        |           |        | 0.007     | 14.00  |
| 1R3  | 1.3  |           |        |           |        | 0.012     | 8.00   |           |        |
| 2R1  | 2.1  |           |        |           |        | 0.014     | 7.00   |           |        |
| 2R4  | 2.4  |           |        |           |        |           |        | 0.011     | 10.30  |
| 3R1  | 3.1  |           |        |           |        | 0.017     | 6.00   |           |        |
| 3R5  | 3.5  |           |        |           |        |           |        | 0.013     | 9.30   |
| 4R4  | 4.4  |           |        |           |        | 0.020     | 5.00   |           |        |
| 4R6  | 4.6  |           |        |           |        |           |        | 0.014     | 9.10   |
| 5R8  | 5.8  |           |        |           |        | 0.021     | 4.40   | 0.017     | 8.60   |
| 7R4  | 7.4  |           |        |           |        |           |        | 0.018     | 7.40   |
| 7R5  | 7.5  |           |        |           |        | 0.024     | 4.20   |           |        |
| 100  | 10   | 0.072     | 1.68   | 0.049     | 1.84   | 0.025     | 4.00   | 0.020     | 6.70   |
| 120  | 12   | 0.098     | 1.52   | 0.058     | 1.71   | 0.027     | 3.50   | 0.022     | 6.45   |
| 150  | 15   | 0.130     | 1.33   | 0.081     | 1.47   | 0.030     | 3.30   | 0.027     | 5.65   |

|     |      |       |      |       |      |       |      |       |      |
|-----|------|-------|------|-------|------|-------|------|-------|------|
| 180 | 18   | 0.140 | 1.20 | 0.091 | 1.31 | 0.034 | 3.00 | 0.028 | 5.10 |
| 220 | 22   | 0.190 | 1.07 | 0.110 | 1.23 | 0.036 | 2.80 | 0.037 | 4.70 |
| 270 | 27   | 0.210 | 0.96 | 0.150 | 1.12 | 0.051 | 2.30 | 0.042 | 4.20 |
| 330 | 33   | 0.240 | 0.91 | 0.170 | 0.96 | 0.057 | 2.10 | 0.054 | 3.90 |
| 390 | 39   | 0.320 | 0.77 | 0.230 | 0.91 | 0.068 | 2.00 | 0.061 | 3.50 |
| 470 | 47   | 0.360 | 0.76 | 0.260 | 0.88 | 0.075 | 1.80 | 0.078 | 3.25 |
| 560 | 56   | 0.470 | 0.68 | 0.350 | 0.75 | 0.110 | 1.70 | 0.090 | 2.90 |
| 680 | 68   | 0.520 | 0.61 | 0.380 | 0.69 | 0.120 | 1.50 | 0.120 | 2.60 |
| 820 | 82   | 0.690 | 0.57 | 0.430 | 0.61 | 0.140 | 1.40 | 0.119 | 2.40 |
| 101 | 100  | 0.790 | 0.50 | 0.610 | 0.60 | 0.160 | 1.30 | 0.151 | 2.10 |
| 121 | 120  | 0.890 | 0.49 | 0.660 | 0.52 | 0.170 | 1.10 | 0.169 | 1.90 |
| 151 | 150  | 1.270 | 0.43 | 0.880 | 0.46 | 0.230 | 1.00 | 0.227 | 1.80 |
| 181 | 180  | 1.450 | 0.39 | 0.980 | 0.42 | 0.290 | 0.90 | 0.299 | 1.55 |
| 221 | 220  | 1.650 | 0.35 | 1.170 | 0.36 | 0.400 | 0.80 | 0.338 | 1.45 |
| 271 | 270  | 2.310 | 0.32 | 1.640 | 0.34 | 0.460 | 0.75 | 0.419 | 1.30 |
| 331 | 330  | 2.620 | 0.28 | 1.860 | 0.32 | 0.510 | 0.68 | 0.471 | 1.20 |
| 391 | 390  | 2.940 | 0.26 | 2.850 | 0.29 | 0.690 | 0.65 | 0.572 | 1.10 |
| 471 | 470  | 4.180 | 0.24 | 3.010 | 0.26 | 0.770 | 0.58 | 0.741 | 1.00 |
| 561 | 560  | 4.670 | 0.22 | 3.620 | 0.23 | 0.860 | 0.54 | 0.852 | 0.95 |
| 681 | 680  | 5.730 | 0.19 | 4.630 | 0.22 | 1.200 | 0.48 | 1.130 | 0.85 |
| 821 | 820  | 6.540 | 0.18 | 5.200 | 0.20 | 1.340 | 0.43 | 1.240 | 0.75 |
| 102 | 1000 | 9.440 | 0.16 | 6.000 | 0.18 | 1.530 | 0.40 | 1.500 | 0.70 |

DCR & IDC listed are all Max. value.

Tolerance : M=±20%, N=±30% ; M tolerance is standard.

\*\* Other Spec. is available to be case by case. Welcome to contact our sales. \*\*