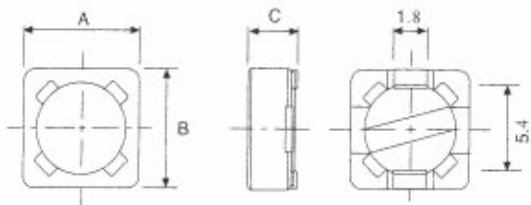



FEATURE

- Magnetic Shielded surface mount inductor with high current rating.
- Low resistance to keep power loss minimum.

APPLICATION

- DC/DC converter
- Power supply for VTRs
- OA equipment
- LCD Television
- Notebook computer

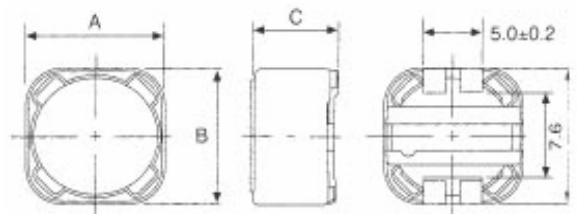
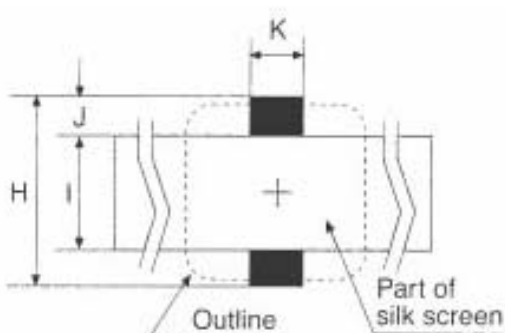
SHAPES & DIMENSION FOR GSCDRI SERIES


Dimension in mm

| TYPE | A | B | C |
|-------------|---------|---------|----------|
| GSCDRI 0603 | 6.8±0.3 | 6.2±0.3 | 3.2 Max |
| GSCDRI 0703 | 7.3±0.3 | 7.3±0.3 | 3.2 ±0.3 |
| GSCDRI 0704 | 7.3±0.3 | 7.3±0.3 | 4.6 Max |

Dimension in mm

| TYPE | A | B | C |
|-------------|--------|--------|---------|
| GSCDRI 1204 | 12±0.5 | 12±0.5 | 5.0 Max |
| GSCDRI 1205 | 12±0.5 | 12±0.5 | 6.0 Max |
| GSCDRI 1207 | 12±0.5 | 12±0.5 | 8.0 Max |


RECOMMENDED LAND PATTERNS FOR SMD


Dimension in mm

| TYPE | H | I | J | K |
|-------------|------|-----|-----|-----|
| GSCDRI 0603 | 8.0 | 4.8 | 2.0 | 1.5 |
| GSCDRI 0703 | 7.8 | 4.8 | 1.5 | 2.2 |
| GSCDRI 0704 | 7.8 | 4.8 | 1.5 | 2.2 |
| GSCDRI 1204 | 12.6 | 7.0 | 2.8 | 5.4 |
| GSCDRI 1205 | 12.6 | 7.0 | 2.8 | 5.4 |
| GSCDRI 1207 | 12.6 | 7.0 | 2.8 | 5.4 |

| Part Inductance | | RDC() Max. GSCDRI | | | | | | Rated DC Current(A) Max. GSCDRI | | | | | |
|-----------------|-------|-----------------------|-------|-------|-------|-------|--------|------------------------------------|------|------|------|------|------|
| No. | L(μH) | 0603 | 0703 | 0704 | 1204 | 1205 | 1207 | 0603 | 0703 | 0704 | 1204 | 1205 | 1207 |
| 1R0 | 1.0 | 0.03 | | | | | | 3 | | | | | |
| 1R2 | 1.2 | | | | | | 0.007 | | | | | | 9.8 |
| 1R5 | 1.5 | 0.032 | | | | | | 2.20 | | | | | |
| 2R4 | 2.4 | | | | | | 0.0115 | | | | | | 8.00 |
| 2R9 | 2.9 | 0.068 | | | | | | 1.94 | | | | | |
| 3R5 | 3.5 | | | | | | 0.0135 | | | | | | 7.50 |
| 4R0 | 4.0 | 0.080 | | | | | | 1.63 | | | | | |
| 4R7 | 4.7 | | 0.065 | 0.047 | 0.018 | | 0.0158 | | 2.27 | 2.47 | 5.20 | | 6.80 |
| 5R5 | 5.5 | 0.096 | | | | | | 1.40 | | | | | |
| 6R1 | 6.1 | | | | | | 0.0176 | | | | | | 6.60 |
| 7R6 | 7.6 | | | | | | 0.0200 | | | | | | 5.90 |
| 100 | 10 | 0.15 | 0.076 | 0.056 | 0.028 | 0.025 | 0.0216 | 1.10 | 1.68 | 1.84 | 4.50 | 4.00 | 5.40 |
| 120 | 12 | 0.20 | 0.098 | 0.06 | 0.038 | 0.027 | 0.0243 | 1.00 | 1.52 | 1.71 | 4.00 | 3.50 | 4.90 |
| 150 | 15 | 0.23 | 0.15 | 0.085 | 0.050 | 0.030 | 0.0270 | 0.90 | 1.33 | 1.47 | 3.20 | 3.30 | 4.50 |
| 180 | 18 | 0.27 | 0.17 | 0.10 | 0.057 | 0.030 | 0.0392 | 0.80 | 1.20 | 1.31 | 3.10 | 3.00 | 3.90 |
| 220 | 22 | 0.34 | 0.19 | 0.11 | 0.066 | 0.036 | 0.0430 | 0.74 | 1.07 | 1.23 | 2.90 | 2.80 | 3.60 |
| 270 | 27 | 0.38 | 0.23 | 0.18 | 0.080 | 0.051 | 0.0459 | 0.66 | 0.96 | 1.12 | 2.80 | 2.30 | 3.40 |
| 330 | 33 | 0.45 | 0.28 | 0.25 | 0.097 | 0.057 | 0.0648 | 0.59 | 0.91 | 0.96 | 2.70 | 2.10 | 3.00 |
| 390 | 39 | 0.49 | 0.34 | 0.26 | 0.132 | 0.068 | 0.0729 | 0.54 | 0.77 | 0.91 | 2.10 | 2.00 | 2.75 |
| 470 | 47 | 0.69 | 0.36 | 0.28 | 0.150 | 0.075 | 0.10 | 0.50 | 0.76 | 0.88 | 1.90 | 1.80 | 2.50 |
| 560 | 56 | 0.78 | 0.47 | 0.38 | 0.190 | 0.11 | 0.12 | 0.46 | 0.68 | 0.75 | 1.80 | 1.70 | 2.30 |
| 680 | 68 | 1.07 | 0.52 | 0.40 | 0.220 | 0.12 | 0.13 | 0.42 | 0.61 | 0.69 | 1.50 | 1.50 | 2.10 |
| 820 | 82 | 1.21 | 0.69 | 0.43 | 0.260 | 0.14 | 0.20 | 0.38 | 0.57 | 0.61 | 1.30 | 1.40 | 1.90 |
| 101 | 100 | 1.39 | 0.79 | 0.61 | 0.308 | 0.16 | 0.22 | 0.34 | 0.50 | 0.60 | 1.20 | 1.30 | 1.70 |
| 121 | 120 | 1.90 | 0.89 | 0.66 | 0.380 | 0.17 | 0.25 | 0.31 | 0.49 | 0.52 | 1.10 | 1.10 | 1.45 |
| 151 | 150 | 2.18 | 1.27 | 0.88 | 0.530 | 0.23 | 0.30 | 0.28 | 0.43 | 0.46 | 0.95 | 1.00 | 1.37 |
| 181 | 180 | 2.77 | 1.45 | 0.98 | 0.620 | 0.29 | 0.35 | 0.26 | 0.39 | 0.42 | 0.85 | 0.90 | 1.30 |
| 221 | 220 | 3.20 | 1.65 | 1.17 | 0.700 | 0.40 | 0.40 | 0.23 | 0.35 | 0.36 | 0.80 | 0.80 | 1.20 |
| 271 | 270 | 4.38 | 2.31 | 1.64 | 0.870 | 0.46 | 0.55 | 0.22 | 0.32 | 0.34 | 0.60 | 0.75 | |
| 331 | 330 | 4.94 | 2.62 | 1.86 | 0.990 | 0.51 | 0.58 | 0.19 | 0.28 | 0.32 | 0.50 | 0.68 | 1.00 |
| 391 | 390 | | 2.94 | 2.85 | | 0.69 | | | 0.26 | 0.29 | | 0.65 | 0.80 |
| 471 | 470 | 5.00 | 4.18 | 3.01 | | 0.77 | | 0.16 | 0.24 | 0.26 | | 0.58 | |
| 561 | 560 | 5.23 | 4.67 | 3.62 | | 0.86 | | 0.15 | 0.22 | 0.23 | | 0.54 | |
| 681 | 680 | | 5.73 | 4.63 | | 1.20 | | | 0.19 | 0.22 | | 0.48 | |
| 821 | 820 | | 6.54 | 5.20 | | 1.34 | | | 0.18 | 0.20 | | 0.43 | |
| 102 | 1000 | | 9.44 | 6.00 | | 1.53 | | | 0.16 | 0.18 | | 0.40 | |

Tolerance:K±10% , L±15% , M±20% , N±30%