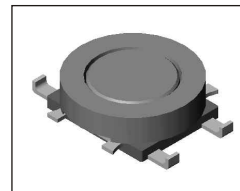


# SMT Power Inductor

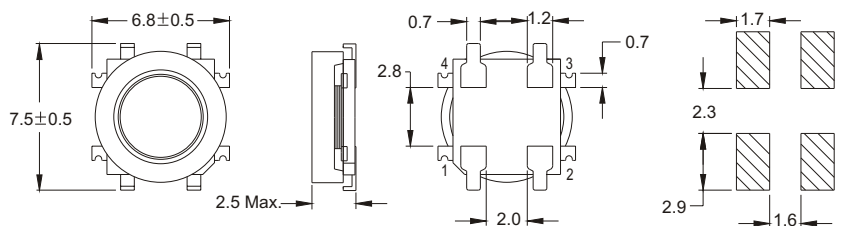
## SIC73 Type

### Features

- Low profile (2.5mm max. height) SMD type.
- Magnetically shielded, suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- In addition to the standard versions shown here, custom inductors are available to meet your exact requirements.

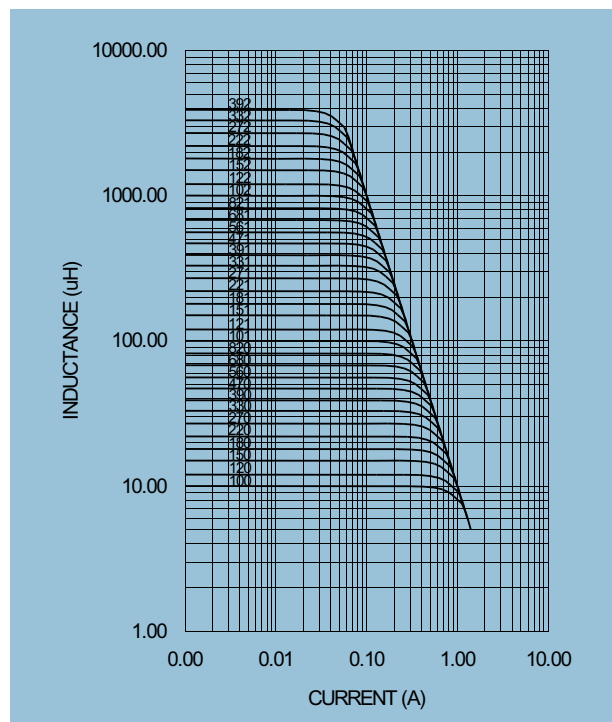


### Mechanical Dimension: Unit: mm



### Electrical Characteristics:

| PART NO.  | L ★<br>(uH) | DCR<br>(Ω) MAX | I <sub>RATED</sub> ★ ★<br>(A dc) |
|-----------|-------------|----------------|----------------------------------|
| SIC73-100 | 10          | 0.200          | 0.700                            |
| SIC73-120 | 12          | 0.220          | 0.616                            |
| SIC73-150 | 15          | 0.291          | 0.572                            |
| SIC73-180 | 18          | 0.307          | 0.524                            |
| SIC73-220 | 22          | 0.355          | 0.468                            |
| SIC73-270 | 27          | 0.412          | 0.432                            |
| SIC73-330 | 33          | 0.456          | 0.392                            |
| SIC73-390 | 39          | 0.580          | 0.372                            |
| SIC73-470 | 47          | 0.671          | 0.340                            |
| SIC73-560 | 56          | 0.735          | 0.284                            |
| SIC73-680 | 68          | 0.981          | 0.276                            |
| SIC73-820 | 82          | 1.110          | 0.256                            |
| SIC73-101 | 100         | 1.250          | 0.228                            |
| SIC73-121 | 120         | 1.400          | 0.208                            |
| SIC73-151 | 150         | 1.850          | 0.188                            |
| SIC73-181 | 180         | 2.110          | 0.168                            |
| SIC73-221 | 220         | 2.540          | 0.160                            |
| SIC73-271 | 270         | 4.130          | 0.144                            |
| SIC73-331 | 330         | 4.350          | 0.128                            |
| SIC73-391 | 390         | 4.860          | 0.120                            |
| SIC73-471 | 470         | 6.640          | 0.104                            |
| SIC73-561 | 560         | 7.250          | 0.096                            |
| SIC73-681 | 680         | 8.180          | 0.088                            |
| SIC73-821 | 820         | 9.680          | 0.080                            |
| SIC73-102 | 1000        | 15.400         | 0.072                            |
| SIC73-122 | 1200        | 18.100         | 0.070                            |
| SIC73-152 | 1500        | 18.800         | 0.064                            |
| SIC73-182 | 1800        | 20.600         | 0.055                            |
| SIC73-222 | 2200        | 32.300         | 0.050                            |
| SIC73-272 | 2700        | 36.800         | 0.046                            |
| SIC73-332 | 3300        | 40.900         | 0.040                            |
| SIC73-392 | 3900        | 48.800         | 0.037                            |



★ Tolerance of inductance

10~82uH±30%    100~820uH±20%    1000~3900uH±10%

★★ I<sub>RATED</sub>: rated current. ΔL<10%, ΔT<45°C at I<sub>RATED</sub>

★★★ Operating temperature: -20°C to 105°C (including self-temperature rise)

★★★★ Test condition at 25°C: 1KHz, 1V



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