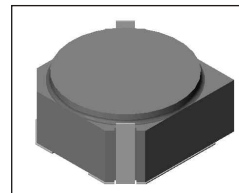


# SMT Power Inductor

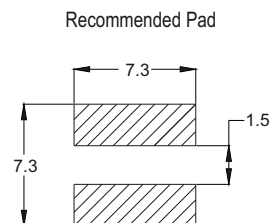
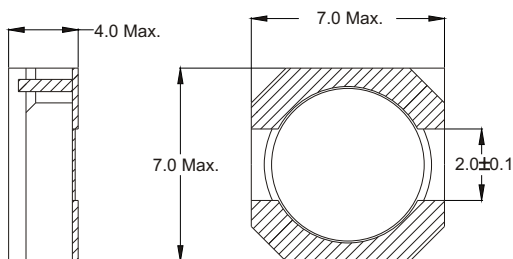
## SIL740 Type

### Features

- Small size (6.6mm\*6.6mm), low profile (4.0mm 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.

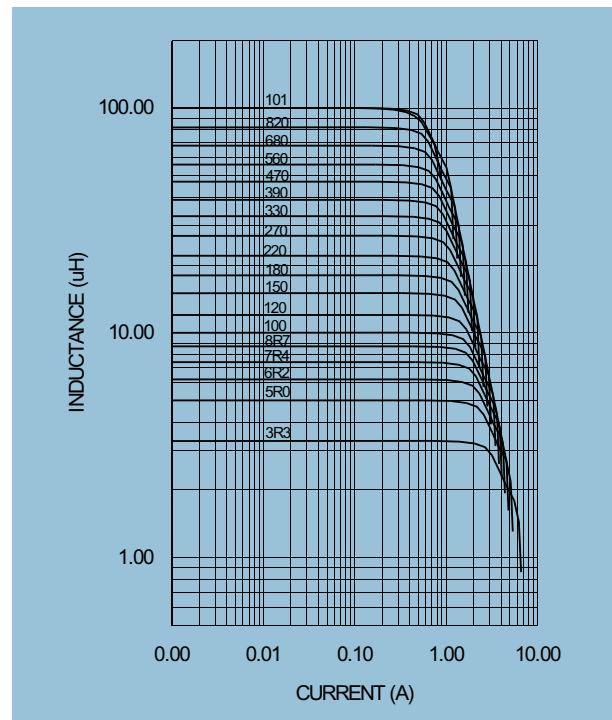


### Mechanical Dimension: Unit: mm



### Electrical Characteristics:

| PART NO.     | L ★<br>(uH) | DCR<br>(Ω) MAX | I <sub>RATED</sub> ★ ★<br>(Adc) |
|--------------|-------------|----------------|---------------------------------|
| SIL740 - 3R3 | 3.3         | 0.020          | 3.50                            |
| SIL740 - 5R0 | 5.0         | 0.024          | 2.90                            |
| SIL740 - 6R2 | 6.2         | 0.027          | 2.50                            |
| SIL740 - 7R4 | 7.4         | 0.031          | 2.30                            |
| SIL740 - 8R6 | 8.6         | 0.034          | 2.20                            |
| SIL740 - 100 | 10          | 0.038          | 2.00                            |
| SIL740 - 120 | 12          | 0.053          | 1.70                            |
| SIL740 - 150 | 15          | 0.057          | 1.60                            |
| SIL740 - 180 | 18          | 0.092          | 1.50                            |
| SIL740 - 220 | 22          | 0.096          | 1.30                            |
| SIL740 - 270 | 27          | 0.109          | 1.20                            |
| SIL740 - 330 | 33          | 0.124          | 1.10                            |
| SIL740 - 390 | 39          | 0.138          | 1.00                            |
| SIL740 - 470 | 47          | 0.155          | 0.95                            |
| SIL740 - 560 | 56          | 0.202          | 0.85                            |
| SIL740 - 680 | 68          | 0.234          | 0.75                            |
| SIL740 - 820 | 82          | 0.324          | 0.70                            |
| SIL740 - 101 | 100         | 0.358          | 0.65                            |



★ Tolerance of inductance  
3.3~100uH±30%

★★ I<sub>RATED</sub>: rated current.  $\Delta L < 35\%$ ,  $\Delta T < 45^\circ\text{C}$  at I<sub>RATED</sub>

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

★★★★ Test condition at 25°C: 100KHz, 0.1V



DELTA ELECTRONICS, INC.

(TAOYUAN PLANT CPBG) 252, SAN YING ROAD, KUEISAN INDUSTRIAL ZONE, TAOYUAN SHIEN, 333, TAIWAN, R.O.C.

TEL: 886-3-3591968; FAX: 886-3-3591991

<http://www.deltawww.com>