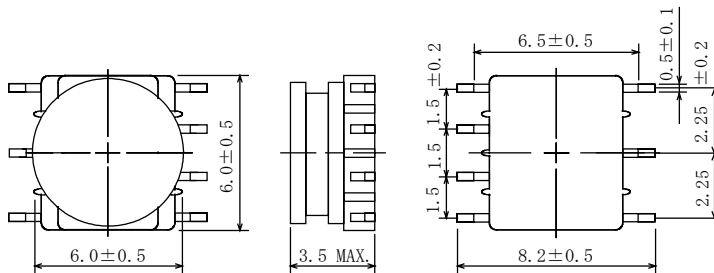
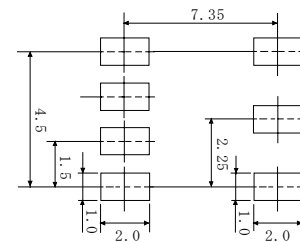


**Type: CMD-6LNL**
**◆ Product Description**

- 6.5×6.5mm Max.(L×W), 3.5mm Max. Height.
- Inductance range: 10 μH~820 μH
- Rated current range: 0.1A~0.86A.
- 7 Terminal pins' type gives a flexible design as inductors or transformers.
- Custom design is available.


**◆ Feature**

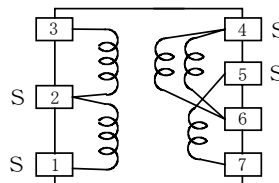
- Magnetically unshielded construction.
- Ideally used in portable devices such as DSC/DVC,PDA, Power supply module etc as DC-DC Converter inductors or transformers.
- RoHS Compliance

**◆ Dimensions (mm)**

**◆ Land Pattern (mm)**

**◆ Specification (for transformers)**

| Sample No. | Inductance (1-3)<br>1kHz/1V | D.C.R.<br>(1-3) |
|------------|-----------------------------|-----------------|
| 6314-T098  | 170μH ± 10%                 | 600mΩ Max.      |

**※ Schematics (Bottom)**

“S” is winding start.



**Type: CMD-6LNL**
**◆ Specification (for inductors)**

| Part Name<br>※  | Stamp | Inductance<br>[Within] | D.C.R.(Ω)<br>[Max.]<br>(at 20°C) | Rate Current<br>(mA)※2 | Measuring<br>Frequency |
|-----------------|-------|------------------------|----------------------------------|------------------------|------------------------|
| CMD6LNLNP-100M□ | 100M  | 10 μH ± 20%            | 0.17                             | 860                    | 2.52MHz                |
| CMD6LNLNP-120M□ | 120M  | 12 μH ± 20%            | 0.21                             | 800                    |                        |
| CMD6LNLNP-150M□ | 150M  | 15 μH ± 20%            | 0.24                             | 780                    |                        |
| CMD6LNLNP-180M□ | 180M  | 18 μH ± 20%            | 0.28                             | 770                    |                        |
| CMD6LNLNP-220K□ | 220K  | 22 μH ± 10%            | 0.31                             | 760                    |                        |
| CMD6LNLNP-270K□ | 270K  | 27 μH ± 10%            | 0.41                             | 540                    |                        |
| CMD6LNLNP-330K□ | 330K  | 33 μH ± 10%            | 0.48                             | 520                    |                        |
| CMD6LNLNP-390K□ | 390K  | 39 μH ± 10%            | 0.53                             | 500                    |                        |
| CMD6LNLNP-470K□ | 470K  | 47 μH ± 10%            | 0.66                             | 450                    |                        |
| CMD6LNLNP-560K□ | 560K  | 56 μH ± 10%            | 0.81                             | 370                    |                        |
| CMD6LNLNP-680K□ | 680K  | 68 μH ± 10%            | 0.99                             | 360                    |                        |
| CMD6LNLNP-820K□ | 820K  | 82 μH ± 10%            | 1.15                             | 340                    |                        |
| CMD6LNLNP-101K□ | 101K  | 100 μH ± 10%           | 1.45                             | 290                    | 1kHz                   |
| CMD6LNLNP-121K□ | 121K  | 120 μH ± 10%           | 1.65                             | 280                    |                        |
| CMD6LNLNP-151K□ | 151K  | 150 μH ± 10%           | 1.95                             | 270                    |                        |
| CMD6LNLNP-181K□ | 181K  | 180 μH ± 10%           | 2.3                              | 260                    |                        |
| CMD6LNLNP-221K□ | 221K  | 220 μH ± 10%           | 3.0                              | 200                    |                        |
| CMD6LNLNP-271K□ | 271K  | 270 μH ± 10%           | 3.9                              | 190                    |                        |
| CMD6LNLNP-331K□ | 331K  | 330 μH ± 10%           | 4.6                              | 185                    |                        |
| CMD6LNLNP-391K□ | 391K  | 390 μH ± 10%           | 6.2                              | 155                    |                        |
| CMD6LNLNP-471K□ | 471K  | 470 μH ± 10%           | 7.2                              | 150                    |                        |
| CMD6LNLNP-561K□ | 561K  | 560 μH ± 10%           | 8.75                             | 145                    |                        |
| CMD6LNLNP-681K□ | 681K  | 680 μH ± 10%           | 11.0                             | 105                    |                        |
| CMD6LNLNP-821K□ | 821K  | 820 μH ± 10%           | 13.0                             | 100                    |                        |

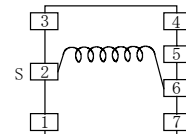
**※ Description of part name**

CMD6LNLNP-100M□

- B Box
- C Carrier Tape

**※ Schematics (Bottom)**

"S" is winding start.


 ※1. Rated current: The D.C. current at which the inductance decreases to 90% of it's initial value or when  $\Delta t=40^{\circ}\text{C}$ , whichever is lower( $T_a=20^{\circ}\text{C}$ ).