

Type: CMD-6LN

◆ **Product Description**

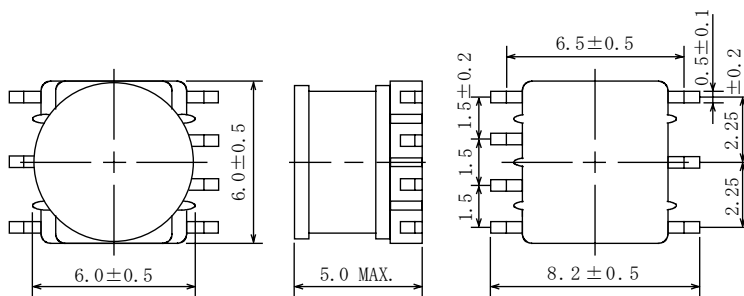
- 6.5×6.5mm Max.(L×W), 5.0mm Max. Height.
- Inductance Range: 22 μ H~1.0mH
- Rated current range: 0.15A~1.0A.
- 7 Terminal pins' type gives a flexible design as inductors or transformers.
- Custom design is available.



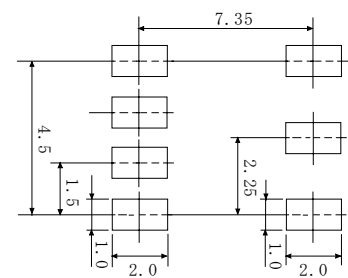
◆ **Feature**

- Magnetically unshielded construction.
- Ideally used in portable devices such as Mobilephone, DSC/DVC, MP3, PDA, etc as DC-DC Converter inductors or transformers, especially suitable for White LED drive.
- RoHS Compliance

◆ **Dimensions (mm)**



◆ **Land Pattern (mm)**

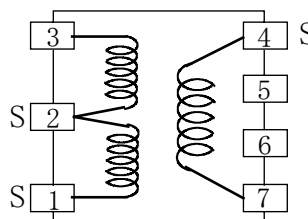


◆ **Specification (for transformers)**

Sample No.	Inductance (1-3) 1kHz/1V	D.C.R (1-3)
6306 - T040	$75\mu\text{H} \pm 20\%$	531mΩ Max.

※ **Schematics (Bottom)**

“S” is winding start.

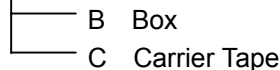


Type: CMD-6LN
◆ Specification (for inductors)

Part Name ※	Stamp	Inductance [Within] ※1	D.C.R.(Ω) [Max.] (at 20°C)	Rate Current (A)※2	Qu [Min.] ※1	S.R.F. (MHz) [Min.]
CMD6LNNP-220K□	220K	22 μ H \pm 10 %	0.14	1.1	37	21
CMD6LNNP-270K□	270K	27 μ H \pm 10 %	0.16	1.0	34	19
CMD6LNNP-330K□	330K	33 μ H \pm 10 %	0.19	0.85	30	17
CMD6LNNP-390K□	390K	39 μ H \pm 10 %	0.22	0.79	27	16
CMD6LNNP-470K□	470K	47 μ H \pm 10 %	0.28	0.73	30	14
CMD6LNNP-560K□	560K	56 μ H \pm 10 %	0.31	0.68	27	13
CMD6LNNP-680K□	680K	68 μ H \pm 10 %	0.36	0.59	24	12
CMD6LNNP-820K□	820K	82 μ H \pm 10 %	0.44	0.56	31	9.8
CMD6LNNP-101K□	101K	100 μ H \pm 10 %	0.51	0.49	59	9.2
CMD6LNNP-121K□	121K	120 μ H \pm 10 %	0.59	0.45	57	8.5
CMD6LNNP-151K□	151K	150 μ H \pm 10 %	0.78	0.41	65	8.1
CMD6LNNP-181K□	181K	180 μ H \pm 10 %	0.92	0.38	63	7.5
CMD6LNNP-221K□	221K	220 μ H \pm 10 %	1.17	0.34	72	6.4
CMD6LNNP-271K□	271K	270 μ H \pm 10 %	1.4	0.32	72	6.2
CMD6LNNP-331K□	331K	330 μ H \pm 10 %	1.7	0.27	83	4.6
CMD6LNNP-391K□	391K	390 μ H \pm 10 %	1.93	0.25	82	4.4
CMD6LNNP-471K□	471K	470 μ H \pm 10 %	2.23	0.24	81	4
CMD6LNNP-561K□	561K	560 μ H \pm 10 %	3.17	0.21	87	3.8
CMD6LNNP-681K□	681K	680 μ H \pm 10 %	3.65	0.19	91	3.6
CMD6LNNP-821K□	821K	820 μ H \pm 10 %	4.25	0.18	90	3.3
CMD6LNNP-102K□	102K	1.0 mH \pm 10 %	6.08	0.15	95	2.9

※ Description of part name

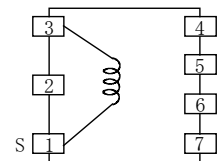
CMD6LNNP-220K□


※1: Measuring Frequency (Inductance and Qu)

22 μ H \sim 82 μ H at 2.52MHz
 100 μ H \sim 1.0mH at 100kHz

※ Schematics (Bottom)

"S" is winding start.



※2. 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($T_a=20^{\circ}\text{C}$).