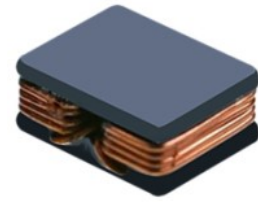
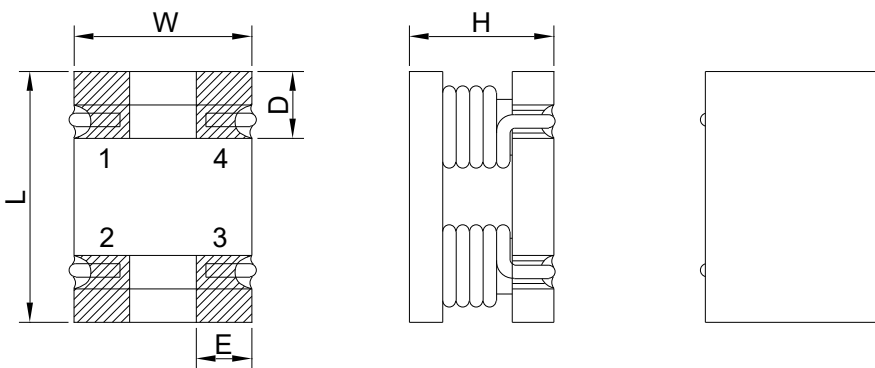


## Product Outline

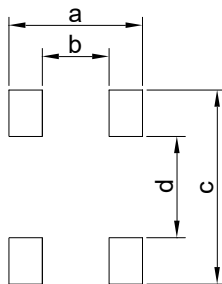
- Closed magnetic circuit for lowest EMI.
- Common mode for DC power lines.
- High common mode impedance at high frequency effects excellent noise suppression performance.
- Dual-winding configuration makes 1 unit suffice for one part.
- It is widely used in USB 2.0 interface of PC and communication equipment, DC-DC convert of portable equipment, notebook, LCD TV and others.
- RoHS compliant.



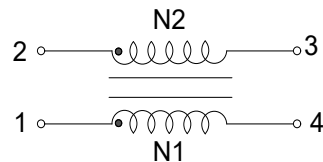
## Dimensions



## Recommended Land Patterns



## Schematics



Unit: mm

Type	L	W	H	D	E	a	b	c	d	Packaging (pcs/reel)
UCM060502	6.0±0.2	5.0±0.2	2.2 Max.	1.0	1.0	5.8	2.5	7.0	3.5	2000

Dimensions without tolerance are typical.

## Electrical Characteristics(at 25°C)

Part Number	Impedance ① (Ω) at 100MHz,0.06A	DCR ② (mΩ) Max.	Rated Current ③ (A) Max.	Rated Voltage (Vdc) Typ.	Insulation Resistance (MΩ) Min.	Hi-pot 1mA,5S
UCM060502-301	300 Typ.	16	4.0	50	10	DC 125V
UCM060502-701	700 Typ.	54	2.0	50	10	DC 125V

Note:

- ① Impedance measured on a 4991A Keysight Technologies or equivalent.
- ② DCR measured on a micro-ohmmeter(Single winding).
- ③ Rated current: The DC current at which the temperature rise is  $\Delta T=40^{\circ}\text{C}$ ( $T_a=25^{\circ}\text{C}$ ), measuring pin1 to 2, short pin3,4.

All specifications are subject to change without notice.