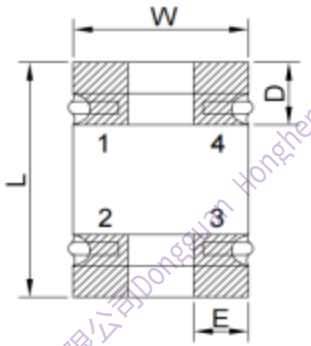
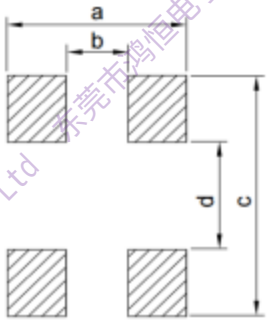
Features:

- 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 interface of PC and communication equipment, DC-DC convert of portable equipment, notebook, LCD TV and others.
- RoHS compliant.

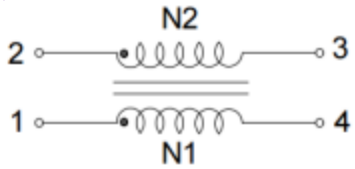
Appearance dimensions (mm, dimensions without tolerance are typical):



Recommended Land Patterns



Schematics



Type	L	W	H	D	E	a	b	c	d	MPQ(pcs)
CBL040302	4.5±0.2	3.2±0.2	2.0 Max.	1.0	1.0	4.0	1.0	5.5	2.0	2000
CBL060502	6.0±0.2	5.0±0.2	2.2 Max.	1.0	1.0	5.8	2.5	7.0	3.5	2000
CBL070603	7.6±0.2	6.0±0.2	3.5 Max.	2.0	1.5	6.6	2.5	8.6	3.0	1500
CBL100805	10.0±0.5	8.0±0.5	5.5 Max.	3.0	2.0	9.0	2.2	11.0	3.4	800
CBL121006	10.0±0.5	8.0±0.5	5.5 Max.	3.0	2.0	9.0	2.2	11.0	3.4	500

Electrical Characteristics

Part No.	Impedance (Ω) at 100MHz,0.06A	DCR (mΩ)Max.	Rated Current (A)Max.	Rated Voltage (Vdc)Typ.	Insulation Resistance (MΩ)Min.	Hi-pot 60Hz/3mA, 1 Min.
CBL040302-101U	100	20.00	4.00	50	10	AC 125V
CBL060502-301U	300	16.00	4.00	50	10	AC 125V
CBL060502-701U	700	54.00	2.00	50	10	AC 125V
CBL070603-501U	500	14.00	2.00	50	10	AC 125V
CBL070603-701U	700	19.00	2.00	50	10	AC 125V
CBL070603-102U	1000	24.00	2.00	50	10	AC 125V
CBL100805-501U	500	10.00	5.00	50	10	AC 125V
CBL100805-701U	700	30.00	4.50	50	10	AC 125V
CBL100805-102U	1000	45.00	4.00	50	10	AC 125V
CBL121006-501U	500	11.00	5.50	50	10	AC 125V
CBL121006-701U	700	21.00	5.00	50	10	AC 125V
CBL121006-102U	1000	50.00	4.00	50	10	AC 125V

Remarks:
* All test data is referenced to 25℃ ambient temperature.
* Test equipment: TH2516B, HP4991A or equivalent .
* Rated Current: DC current that causes the temperature rise (△T=40℃) from 25℃ between (1,2) while (3,4) shorted.
* Rated Voltage: between(1,2).
* Insulation Resistance : between(1,2).
* Hi-pot: between(1,2).