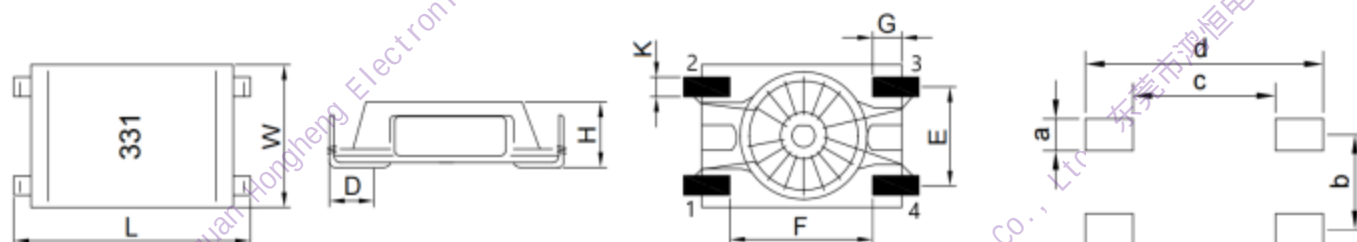
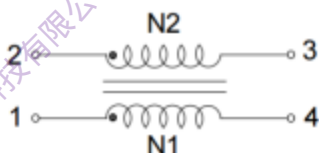


Features:

- 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.
- Operating temperature range(Including self temperature rise):-40°C to +105°C .
- RoHS compliant.

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

Recommended Land Patterns

**Schematics**

Type	L	W	H	D	E	F	G	K	a	b	c	d	MPQ(pcs)
CTCM0602	6.5 Max.	3.6 ±0.15	1.65 ±0.15	0.9 Min.	2.5	3.4	0.8 Max.	0.55	1.0	2.5	3.6	3.6	2500

Electrical Characteristics

Part No.	Inductance (uH) at 10kHz/0.25V	IL1-L2 (uH) Max.	DCR (mΩ)Max.	Rated Current (A)Max.	Rated Voltage (Vdc)Max.	Hi-pot 60Hz/3mA/ 1 Minutes.	Impedance (Ω)Typ.	Frequency range(MHz)
CTCM0602-100D	15±50%	10	0.24	0.30	DC50V	AC250V	--	--
CTCM0602-510D	51±50%	10	0.16	0.30	DC50V	AC250V	--	--
CTCM0602-181D	180±50%	10	0.25	0.30	DC50V	AC250V	--	--
CTCM0602-221D	220±50%	10	0.28	0.30	DC50V	AC250V	600	3~210
CTCM0602-331D	330±50%	10	0.30	0.30	DC50V	AC250V	600	3~210

Remarks:

* All test data is referenced to 25°C ambient temperature .

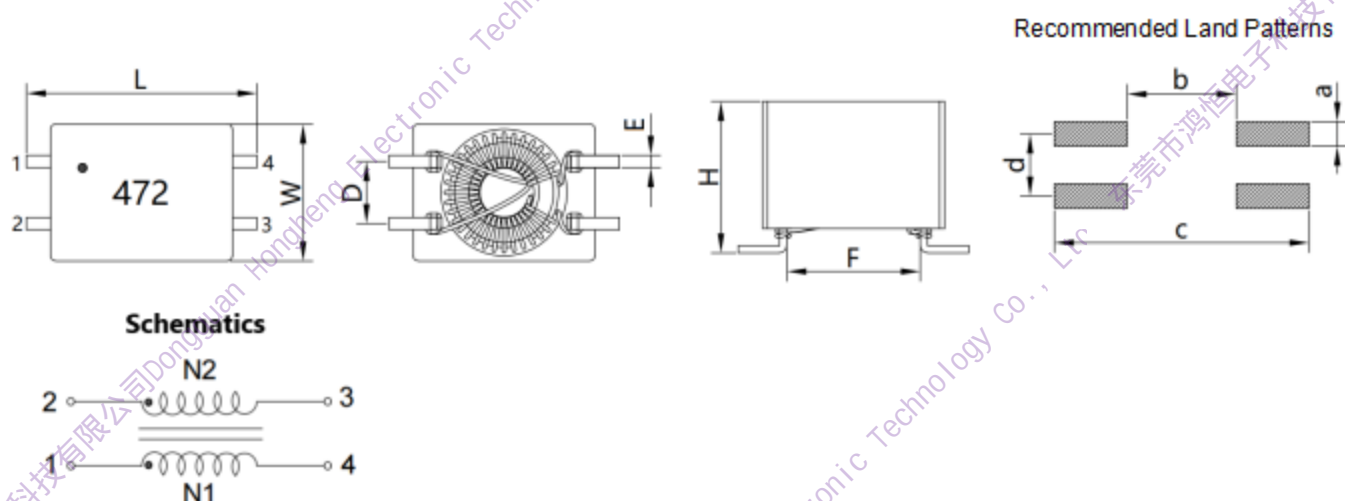
* Test equipment: TH2516B, HP4991A or equivalent .

* Rated Current: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 25°C between (1,2) while (3,4) shorted.

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- Operating temperature range(Including self temperature rise):-40°C to +125°C.
- RoHS compliant.

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



Type	L	W	H	D	E	F	a	b	c	d	MPQ(pcs)
CTCM0904	9.5 Max.	5.6 Max.	5.2 Max.	2.54	0.50	5.50	1.00	4.50	10.5	2.54	1500

Electrical Characteristics

Part No.	Inductance (uH) at 100kHz/0.1V	Lk(1-4) (uH) (2,3)short	DCR (mΩ) Max.	Rated Current (A)Max.	Rated Voltage (Vdc)Max.	Hi-pot 60Hz/3mA/ 1 Minutes.	Impedance (Ω)Typ.	Frequency range(MHz)
CTCM0904-110S	11.00+50%-30%	0.08	120.00	0.50	DC50V	AC250V	160	200-300
CTCM0904-250S	25.00+50%-30%	0.15	200.00	0.50	DC50V	AC250V	450	20-150
CTCM0904-510S	51.00+50%-30%	0.20	300.00	0.50	DC50V	AC250V	800	20-100
CTCM0904-101S	100.0+50%-30%	0.25	100.0	0.50	DC50V	AC250V	600	3-20
CTCM0904-471S	470.0+50%-30%	0.28	280.0	0.50	DC50V	AC250V	1,200	2-15
CTCM0904-102S	1000+50%-30%	0.28	300.0	0.50	DC50V	AC250V	1,800	1-10
CTCM0904-222S	2200+50%-30%	0.29	400.0	0.50	DC50V	AC250V	3,000	0.8-5
CTCM0904-472S	4700+50%-30%	0.30	700.0	0.20	DC50V	AC250V	5,000	0.5-3

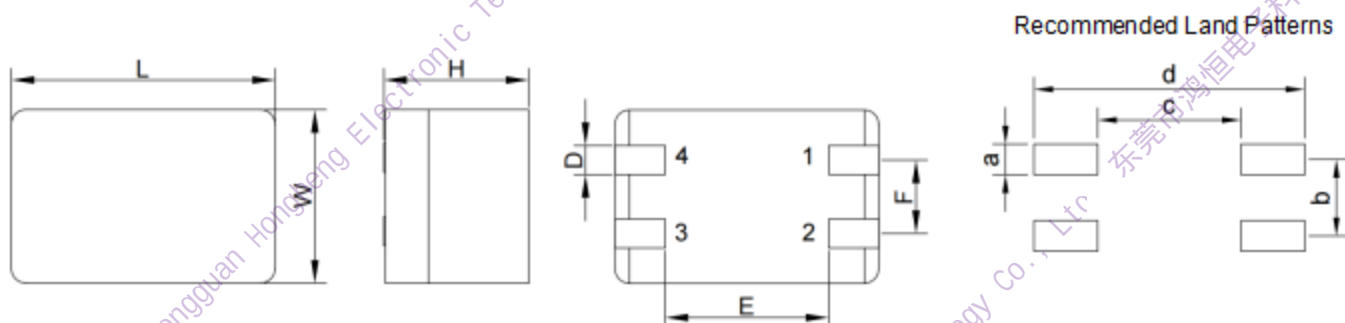
Remarks:

- * All test data is referenced to 25°C ambient temperature.
- * Test equipment: TH2516B, HP4991A or equivalent.
- * Rated Current: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 25°C between (1,2) while (3,4) shorted.

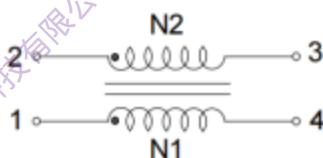
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- It is widely used in USB interface of PC and communication equipment, DC-DC convert of portable equipment, notebook, LCD TV and others.
- Operating temperature range(Including self temperature rise):-40°C to +105°C .
- RoHS compliant.

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



Schematics



Type	L	W	H	D	E	F	a	b	c	d	MPQ(pcs)
CTCM0905	9.2 ±0.3	6.0 ±0.3	5.0 ±0.3	1.00	5.60	2.54	1.20	2.54	5.50	9.50	1500

Electrical Characteristics

Part No.	Inductance (uH) at 100kHz/0.1V	DCR (mΩ)Max.	Rated Current (A)Max.	Rated Voltage (Vdc)Max.	Hi-pot 60Hz/3mA/ 1 Minutes.
CTCM0905-100N	10.00±30%	80.00	1.60	DC50V	AC250V
CTCM0905-250N	25.00±30%	120.0	1.00	DC50V	AC250V
CTCM0905-500N	50.00±30%	160.0	0.80	DC50V	AC250V
CTCM0905-501D	500.0±50%	150.0	1.00	DC50V	AC250V
CTCM0905-102D	1000±50%	310.0	0.80	DC50V	AC250V
CTCM0905-202D	2000±50%	420.0	0.60	DC50V	AC250V

Remarks:

- * All test data is referenced to 25°C ambient temperature .
- * Test equipment: TH2516B, HP4991A or equivalent .
- * Rated Current: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 25°C between (1,2) while (3,4) shorted.