

Common Mode Choke, Filters ~ CMT1409B SERIES

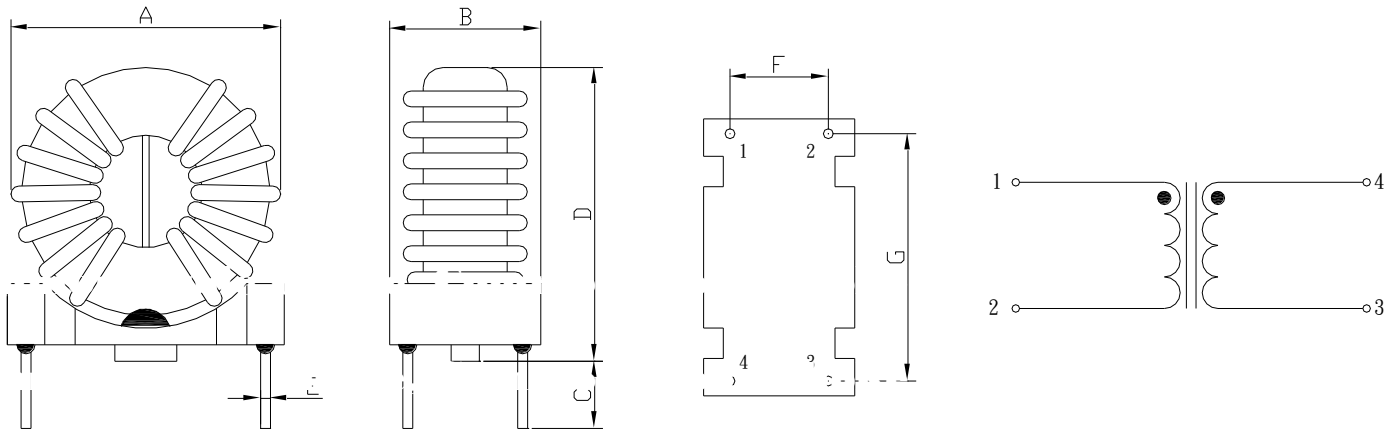


PART NUMBERING SYSTEM

CMT	1409B	—	103N	—	LF
TYPE	DIMENSIONS		IMPEDANCE		LEAD FREE

SHAPES AND DIMENSIONS

UNIT : mm



A=17.5 Max. B=13.0 Max. C=3.0±0.5 D=22.0 Max. E=0.7 Ref. F=5.0±0.5 G=7.7±0.5

FEATURES

Highest common mode **impedance** over the **widest frequency range**.

1250 Vrms, one minute isolation between windings.

Inductance values up to **20 mH**; current ratings as high as **3 Amps**.

RoHS / REACH compliant. Tin-silver over copper terminations.

Inductance is measured with a LCR meter 4284A or equivalent.

Test voltage : 1500V, 50Hz, 5mA, 2sec.

Operating temperature range -40°C to +125°C

Applications

Power electronics

Power line in- and output filter

Filtering of devices without any ground connection

Suppression of radio interferences in motors

Suppression of common mode noise

All specifications are subject to change without notice.

Our specification limits the quality of the component to a single unit. Please ensure the component is thoroughly evaluated in your application circuit.

Revised DEC 2021

SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (mH)	DCR (mΩ) (max)	IDC (A) (max)	NOMINAL VOLTAGE VAC	TEST FREQ. (Freq.)
CMT1409B-102N-LF	1.0±30%	35	3.0	250	10KHz
CMT1409B-202N-LF	2.2±30%	70	2.0	250	10KHz
CMT1409B-402N-LF	4.0±30%	70	2.0	250	10KHz
CMT1409B-502N-LF	5.0±30%	120	1.5	250	10KHz
CMT1409B-752N-LF	7.5±30%	270	2.5	250	10KHz
CMT1409B-103N-LF	10.0±30%	360	1.0	250	10KHz
CMT1409B-203N-LF	20.0±30%	540	0.5	250	10KHz

Electrical specifications at 25°C