

Common Mode Power Line Choke Nanocrystalline ~ CMT2214BNA SERIES



PART NUMBERING SYSTEM

<u>CMT</u>	<u>2214BNA</u>	—	<u>203N</u>	—	<u>LF</u>
TYPE	DIMENSIONS		IMPEDANCE		LEAD FREE

FEATURES

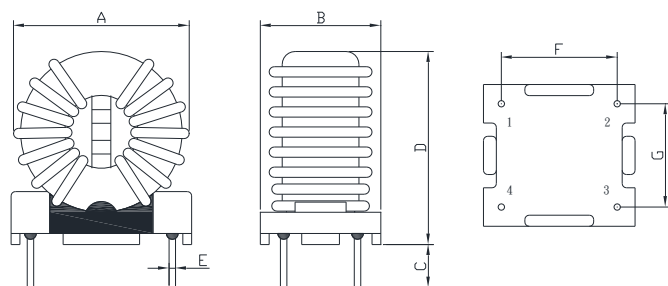
- Very high permeability nanocrystalline core material
- Improved isolation through plastic case and winding spacer
- High and stable inductance values up to 150 °C
- High rated currents
- Broadband suppression
- Small size
- Frequency range: 1 kHz-300 MHz
- Flammability corresponding to UL 94 V-0



SHAPES AND DIMENSIONS

UNIT : mm

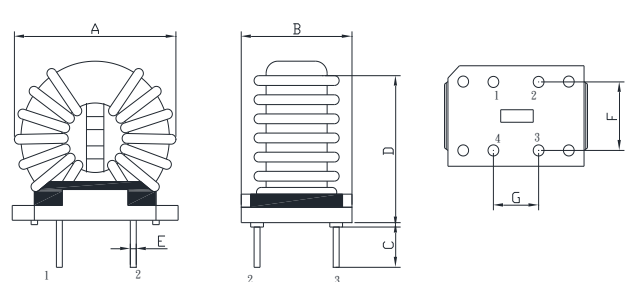
Style A



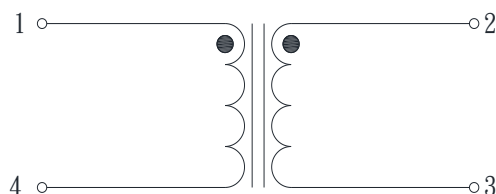
A=28.0 Max. B=18.0 Max. C=5.0±0.5 D=32.0 Max. E=1.0 Ref. F=12.0±0.5 G=10.0±0.5 (Style A)

A=30.0 Max. B=19.0 Max. C=5.0±0.5 D=28.0 Max. E=1.5 Ref. F=12.0±0.5 G=10.0±0.5 (Style B)

Style B



SCHEMATIC DRAWING



SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (mH)	DCR (mΩ) (max)	I _{rms} (A) (max)	NOMINAL VOLTAGE VAC	Style
CMT2214BNA-823-2.5A-LF	82.0±50%/-30%	170	2.5	300	A
CMT2214BNA-353-3.5A-LF	35.0±50%/-30%	80	3.5	300	A
CMT2214BNA-153-5A-LF	15.0±50%/-30%	40	5.0	300	A
CMT2214BNA-702-7A-LF	7.0±50%/-30%	22	7.0	300	B
CMT2214BNA-402-11A-LF	4.0±50%/-30%	8.8	11.0	300	B
CMT2214BNA-202-15A-LF	2.0±50%/-30%	5.0	15.0	300	B
CMT2214BNA-152-18A-LF	1.5±50%/-30%	3.2	18.0	300	B
CMT2214BNA-102-20A-LF	1.0±50%/-30%	2.4	20.0	300	B

- Inductance is measured with a LCR meter 4284A or equivalent.
- Test voltage : 1500V, 50Hz , 5mA , 2sec.
- Operating temperature range -40°C to +125°C
- Electrical specifications at 25°C
- Custom specifications is available
- Test Frequency: 10KHz / 0.1mA

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