Common Mode Power Line Choke Nanocrystalline ~ CMT2010BNA SERIES

RoHS COMPLIANT | REACH | Halogen Free

PART NUMBERING SYSTEM

CMT	2010BNA	—	203N	—	LF
TYPE	DIMENSIONS		IMPEDANCE		LEAD FREE

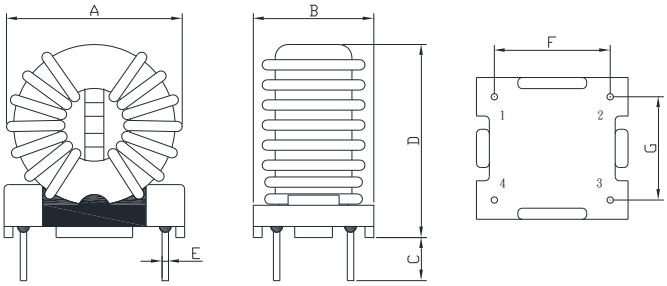
FEATURES

- 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

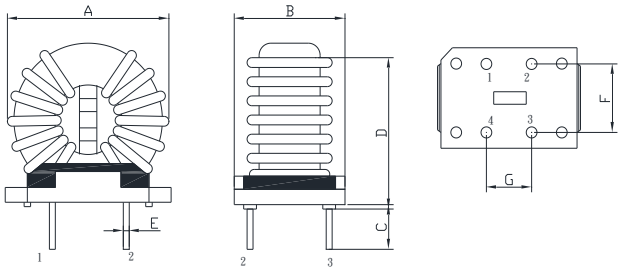
SHAPES AND DIMENSIONS

UNIT：mm

Style A



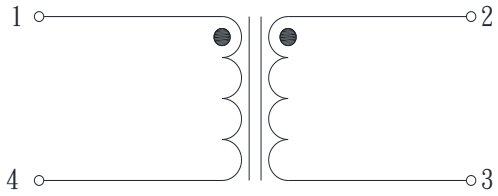
Style B



A=23.0 Max. B=13.5 Max. C=5.0±0.5 D=26.0 Max. E=0.7 Ref. F=10.7±0.5 G=7.5±0.5 (Style A)

A=24.0 Max. B=17.0 Max. C=5.0±0.5 D=25.0 Max. E=1.0 Ref. F=10.7±0.5 G=7.5±0.5 (Style B)

SCHEMATIC DRAWING



SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (mH)	DCR (mΩ) (max)	Irms (A) (max)	NOMINAL VOLTAGE VAC	Style
CMT2010BNA-333-2.5A-LF	33.0±50%	94	2.5	300	A
CMT2010BNA-173-4.0A-LF	17.0±50%	52	4.0	300	A
CMT2010BNA-902-5.0A-LF	9.0±50%	32	5.0	300	A
CMT2010BNA-202-10A-LF	2.0±50%	6.3	10.0	300	B
CMT2010BNA-102-15A-LF	1.0±50%	3.2	15.0	300	B

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

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