Common Mode Power Line Choke Nanocrystalline ~ CMT3010BNA SERIES

RoHS COMPLIANT | REACH | Halogen Free

PART NUMBERING SYSTEM

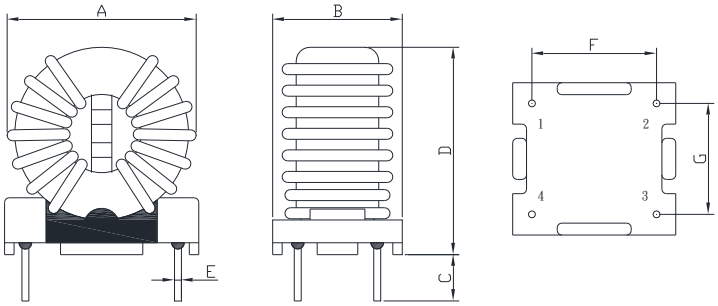
CMT	3010BNA	—	203N	—	LF
TYPE	DIMENSIONS		IMPEDANCE		LEAD FREE

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
- Flammability corresponding to UL 94 V-0

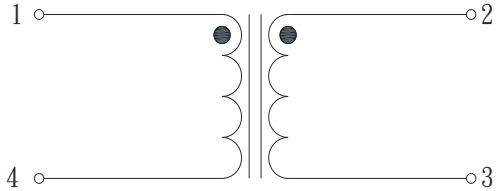
SHAPES AND DIMENSIONS

UNIT：mm



A=40.5 Max. B=25.0 Max. C=3.5±0.5 D=37.0 Max. E=Refer table F=22.5±0.5 G=13.5±0.5

SCHEMATIC DRAWING



SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (mH)	DCR (mΩ) (max)	Irms (A) (max)	NOMINAL VOLTAGE VAC	Dimension E
CMT3010BNA-402-11A-LF	4.0±50%/-30%	9.1	11.0	250V	1.5
CMT3010BNA-322-12A-LF	3.2±50%/-30%	7.3	12.0	250V	1.6
CMT3010BNA-252-15A-LF	2.5±50%/-30%	5.7	15.0	250V	1.7
CMT3010BNA-192-18A-LF	1.9±50%/-30%	4.5	18.0	250V	1.8
CMT3010BNA-162-19A-LF	1.6±50%/-30%	3.7	19.0	250V	1.9

- 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 are available
- Test Frequency: 100KHz

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