

COMMON MODE CHOKE COILS / BTC TYPE

FEATURES

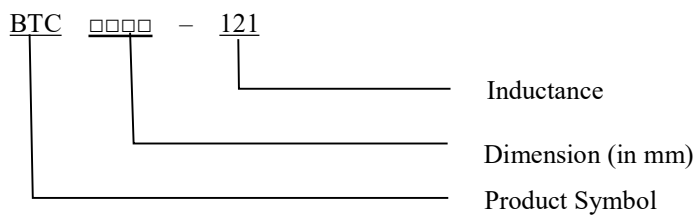
- ◆ High rated currents, reduced components height.
- ◆ Wire wound construction common mode choke with best EMI suppression effect high impedance.



APPLICATIONS

- ◆ Wireless charging devices.
- ◆ Power equipment.

ORDERING CODE



SHAPES

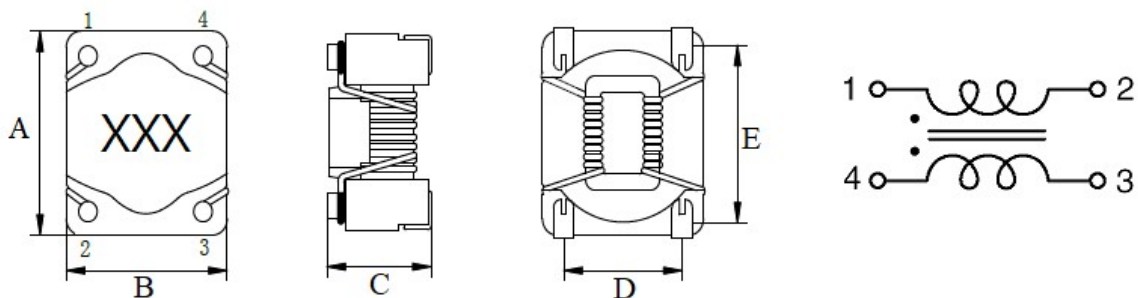


Fig. 1

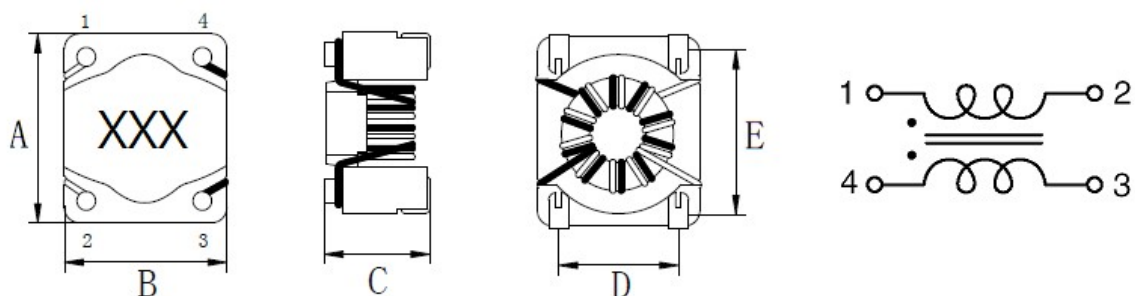


Fig. 2



CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>

COMMON MODE CHOKE COILS / BTC TYPE

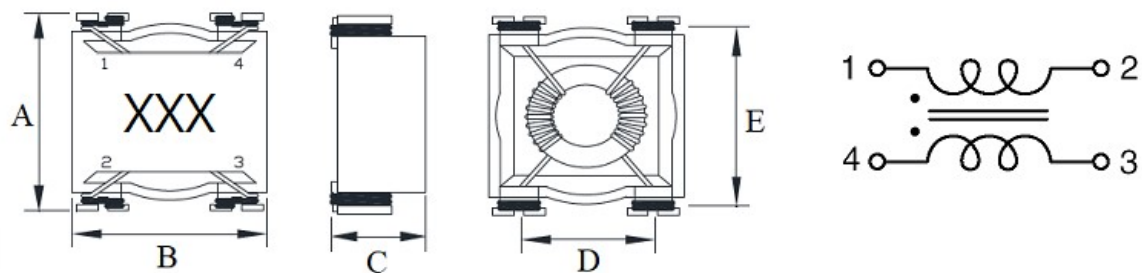


Fig. 3

DIMENSIONS (UNIT: mm)

Part No.	A (Max)	B (Max)	C (Max)	D (Ref)	E (Ref)
BTC 1006	10.00 ± 0.3	8.7 ± 0.3	6.5	6.22 ± 0.2	7.62 ± 0.2
BTC 1609	16.40	14.6	9.3	8.64	13.21
BTC 1909	19.56	17.3	10.5	11.30	16.51

ELECTRICAL CHARACTERISTICS FOR BTC1006

Part No.	Fig.	Inductance (uH) N1=N2 (± 40%)	Test Frequency	DCR (Ω) (Max)	IDC (mA) (Max)
BTC 1006-121	1	120	100KHZ / 0.1V	0.025	2500
BTC 1006-221	1	220	100KHZ / 0.1V	0.032	2200
BTC 1006-251	1	250	100KHZ / 0.1V	0.035	2000
BTC 1006-471	1	470	100KHZ / 0.1V	0.065	1600
BTC 1006-102	1	1000	100KHZ / 0.1V	0.180	950
BTC 1006-222	2	2200	100KHZ / 0.1V	0.300	750
BTC 1006-332	2	3300	100KHZ / 0.1V	0.360	650
BTC 1006-392	2	3900	100KHZ / 0.1V	0.540	520
BTC 1006-472	2	4700	100KHZ / 0.1V	0.720	350

ELECTRICAL CHARACTERISTICS FOR BTC1609

Part No.	Fig.	Inductance (uH) N1=N2 (± 40%)	Test Frequency	DCR (Ω) (Max)	IDC (mA) (Max)
BTC 1609-121	3	120	1KHZ / 0.25V	0.018	6000
BTC 1609-771	3	770	1KHZ / 0.25V	0.040	4700
BTC 1609-132	3	1300	1KHZ / 0.25V	0.060	3800
BTC 1609-152	3	1500	1KHZ / 0.25V	0.070	3500
BTC 1609-302	3	3000	1KHZ / 0.25V	0.100	2500
BTC 1609-103	3	10000	10KHZ / 0.1V	0.210	1400



CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>

COMMON MODE CHOKE COILS / BTC TYPE

ELECTRICAL CHARACTERISTICS FOR BTC1909

Part No.	Fig.	Inductance (uH) N1=N2 (± 40%)	Test Frequency	DCR (Ω) (Max)	IDC (mA) (Max)
BTC 1909-121	3	120	1KHZ / 0.25V	0.012	12000
BTC 1909-591	3	590	1KHZ / 0.25V	0.021	5600
BTC 1909-771	3	770	1KHZ / 0.25V	0.040	4700
BTC 1909-132	3	1300	1KHZ / 0.25V	0.060	3800
BTC 1909-152	3	1500	1KHZ / 0.25V	0.070	3500
BTC 1909-302	3	3000	1KHZ / 0.25V	0.100	2500
BTC 1909-103	3	10000	1KHZ / 0.25V	0.210	1400



CORE MASTER ENTERPRISE CO., LTD.

<http://www.coremaster.com.tw>