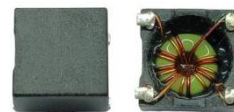


FEATURES

- Excellent impedance characteristics, making it great for suppressing common mode noise.
- Low profile design makes it optimal for surface mounting.
- Operating temperature: -40°C ~ +105°C.



APPLICATIONS

- USB
- CAN
- FireWire
- Signal and sensor lines
- Power supply systems
- Data lines
- Suppression of common mode noise

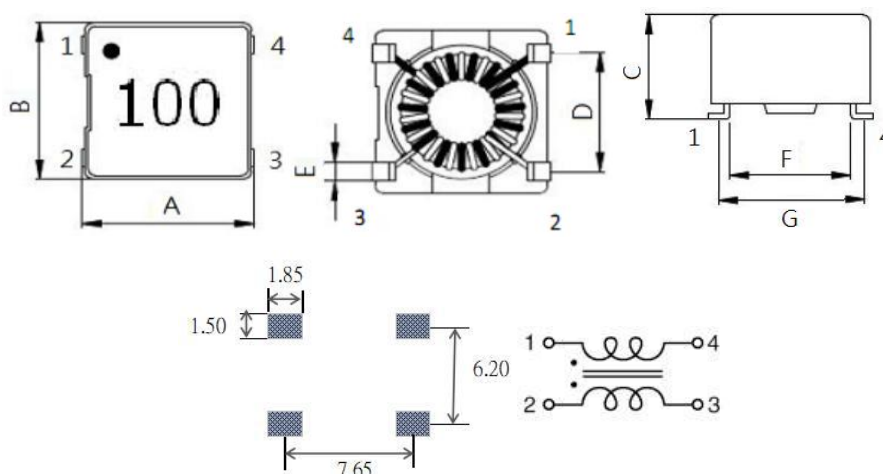
PRODUCT IDENTIFICATION

CMC 0805 B 100 T

(1) (2) (3) (4) (5)

- (1) Series name
- (2) Product dimensions
- (3) Feature Type (B:Bifilar Winding)
- (4) Inductance Value (100:10μH, 101:100μH, 102:1000μH)
- (5) Package(T:Tape&Reel)

SHAPE AND DIMENSIONS



Unit:mm

Series	A	B	C	D	E	F	G
CMC0805	8.8±0.5	8.5±0.5	5.5±0.5	6.22±0.50	1.0 Typ.	6.5 Typ.	7.6 Typ.

SPECIFICATIONS

CMC0805 Series

Part Number	Inductance ($\mu\text{H}@100\text{KHz}$)	Tolerance	DCR Max. ($\text{m}\Omega$)	Irms Max. (A)	Impedance Min.(Ω)	Freq. Range(MHz)	Hi-Pot(Vdc) 1,4-2,3 3mA/1S
CMC0805B100T	10	$\pm 40\%$	30	4.0	100	10-300	600
CMC0805B220T	22	$\pm 40\%$	35	3.8	300	10-200	600
CMC0805B470T	47	$\pm 40\%$	40	3.2	800	10-100	600
CMC0805B101T	100	$\pm 40\%$	25	3.0	100	10-300	500
CMC0805B121T	120	$\pm 40\%$	25	2.5	200	10-200	500
CMC0805B201T	200	$\pm 40\%$	32	2.5	300	7-150	500
CMC0805B221T	220	$\pm 40\%$	32	2.2	350	7-150	500
CMC0805B251T	250	$\pm 40\%$	35	2.0	400	5-100	500
CMC0805B471T	470	$\pm 40\%$	65	1.6	900	2-40	500
CMC0805B501T	500	$\pm 40\%$	70	1.5	800	2-50	500
CMC0805B102T	1000	$\pm 40\%$	180	0.95	1400	1-40	500
CMC0805B202T	2000	$\pm 40\%$	270	0.80	2000	0.5-15	300
CMC0805B222T	2200	$\pm 40\%$	300	0.75	3400	1-11	300
CMC0805B302T	3000	$\pm 40\%$	330	0.70	3000	0.5-10	300
CMC0805B332T	3300	$\pm 40\%$	360	0.65	4400	0.9-7	300
CMC0805B392T	3900	$\pm 40\%$	540	0.52	5000	0.7-6	300
CMC0805B402T	4000	$\pm 40\%$	600	0.45	4000	0.5-5	300
CMC0805B472T	4700	$\pm 40\%$	720	0.35	3200	0.6-3	300
CMC0805B502T	5000	$\pm 40\%$	780	0.30	5000	0.5-3	300
CMC0805B902T	9000	$\pm 40\%$	900	0.25	6000	0.5-3	300

Note:

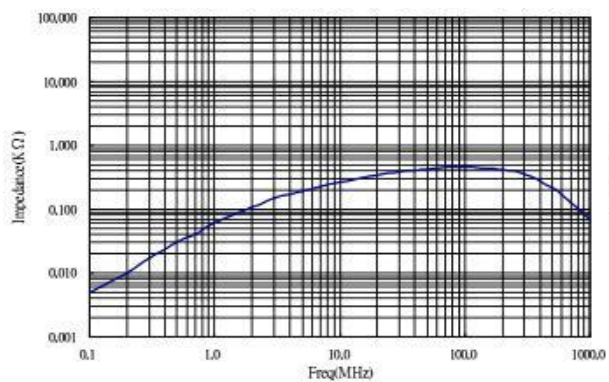
Winding Type: Bifilar.

Irms: DC current that causes the temperature rise($\Delta T=40^{\circ}\text{C}$) from 25°C ambient.

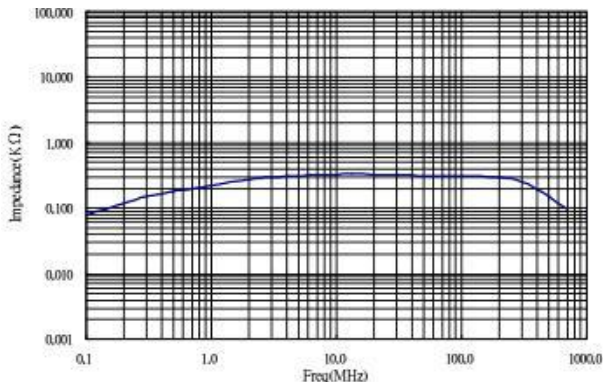
CHARACTERISTICS CURVE

CMC0805 Series

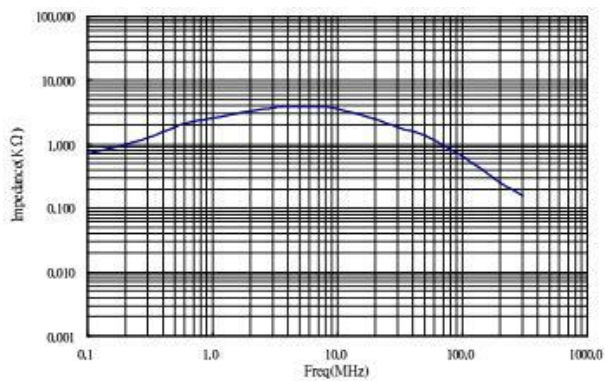
CMC0805B100T



CMC0805B101T



CMC0805B102T



CMC0805B502T

