

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 ~ +85°C.



APPLICATIONS

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

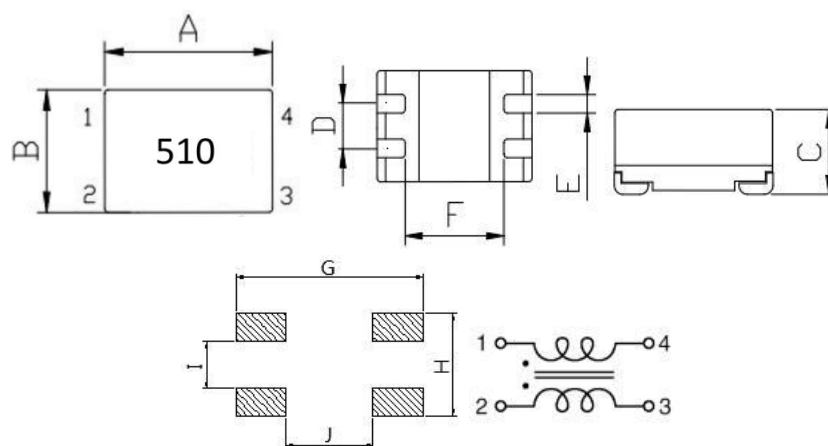
PRODUCT IDENTIFICATION

CMC 0905 S 100 T

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

- (1) Series name
- (2) Product dimensions
- (3) Feature Type (S:Sectional Winding, 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	H	I	J
CMC0905	9.2±0.3	6.0±0.3	5.0±0.3	2.54±0.2	1.0±0.1	5.7 Typ.	9.5 Typ.	3.74 Typ.	1.34 Typ.	5.5 Typ.

SPECIFICATIONS

CMC0905 Series

Part Number	Inductance ($\mu\text{H}@100\text{KHz}$)	Tolerance	Leakage Inductance Typ.(nH@1MHz)	DCR Max. (Ω)	Irms Max. (A)	Impedance Min.(Ω)	Freq. Range (MHz)	Hi-Pot(Vdc) 1,4-2,3 3mA/3S
CMC0905B100T	10	+50%/-30%	55	0.08	1.60	300	20-200	500
CMC0905S100T	10	+50%/-30%	850	0.08	1.60	300	20-200	500
CMC0905B250T	25	+50%/-30%	60	0.16	1.00	600	5-100	500
CMC0905S250T	25	+50%/-30%	1500	0.16	1.00	600	5-100	500
CMC0905B400T	40	+50%/-30%	80	0.25	0.90	800	5-100	500
CMC0905S400T	40	+50%/-30%	2250	0.25	0.90	800	5-100	500
CMC0905B510T	51	+50%/-30%	85	0.16	0.80	1000	5-50	500
CMC0905S510T	51	+50%/-30%	3150	0.16	0.80	1000	5-50	500
CMC0905B251T	250	$\pm 50\%$	60	0.13	1.20	600	5-50	500
CMC0905S251T	250	$\pm 50\%$	1100	0.13	1.20	600	5-50	500
CMC0905B471T	470	$\pm 50\%$	72	0.14	1.10	800	1-50	500
CMC0905B501T	500	$\pm 50\%$	75	0.15	1.00	900	1-40	500
CMC0905B102T	1000	$\pm 50\%$	90	0.31	0.80	1000	1-30	500
CMC0905B202T	2000	$\pm 50\%$	130	0.42	0.60	3000	1-10	500
CMC0905S202T	2000	$\pm 50\%$	5500	0.42	0.60	3000	1-10	500
CMC0905B472T	4700	$\pm 50\%$	180	0.90	0.40	3000	0.5-5	500
CMC0905B652T	6500	$\pm 50\%$	280	1.05	0.30	4000	0.3-2	500
CMC0905B103T	10000	$\pm 50\%$	320	1.15	0.26	4000	0.3-2	500

Note:

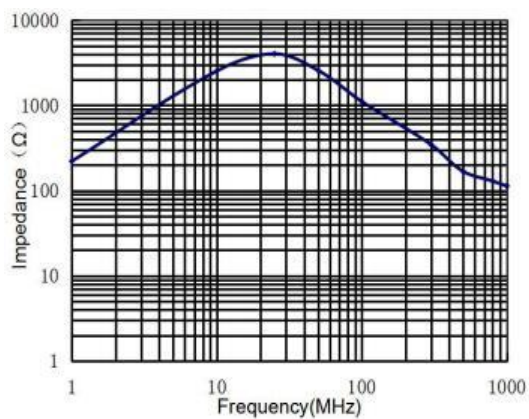
Winding Type: S:Sectional Winding, B:Bifilar Winding.

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

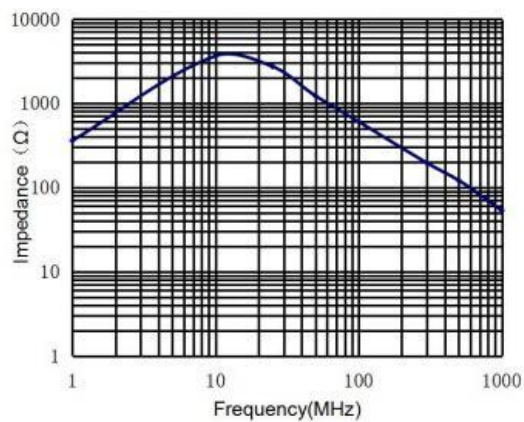
CHARACTERISTICS CURVE

CMC0905 Series

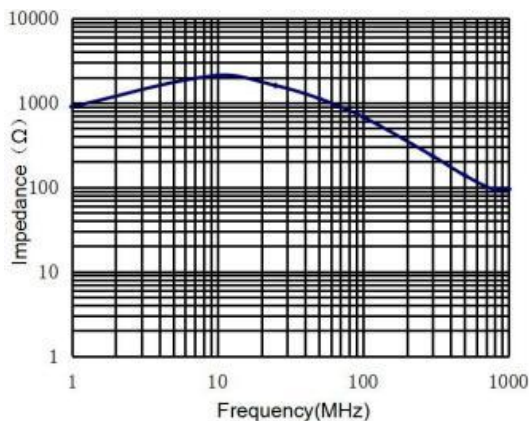
CMC0905B/S400T



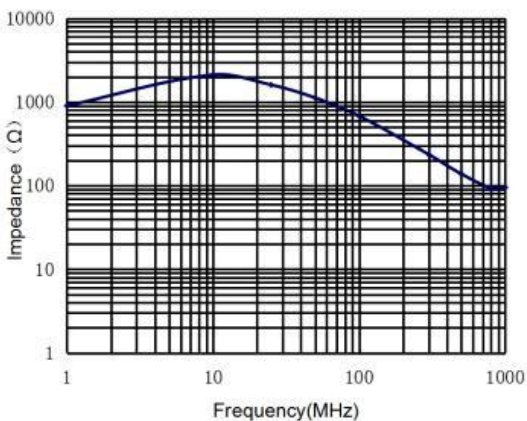
CMC0905B/S510T



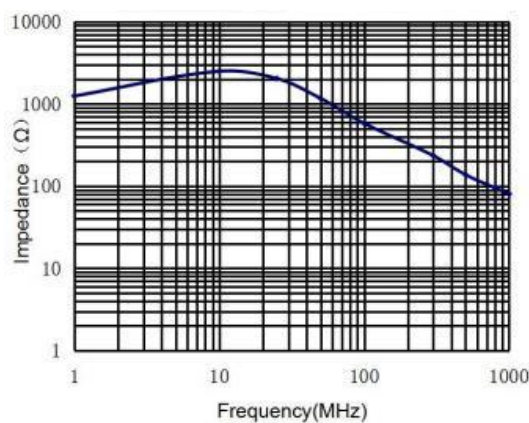
CMC0905B/S251T



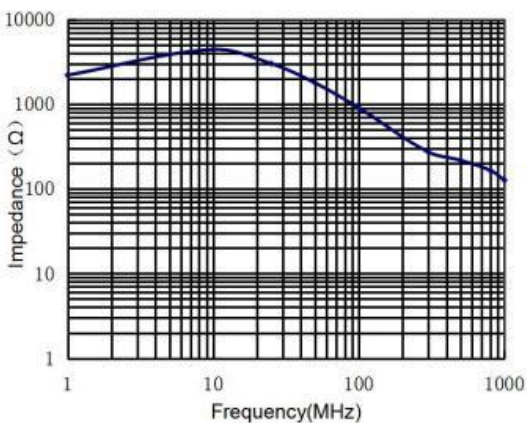
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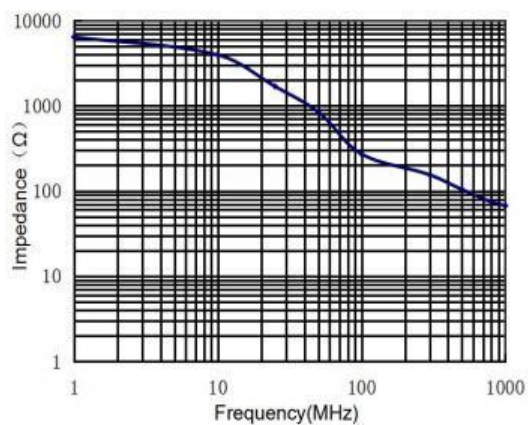
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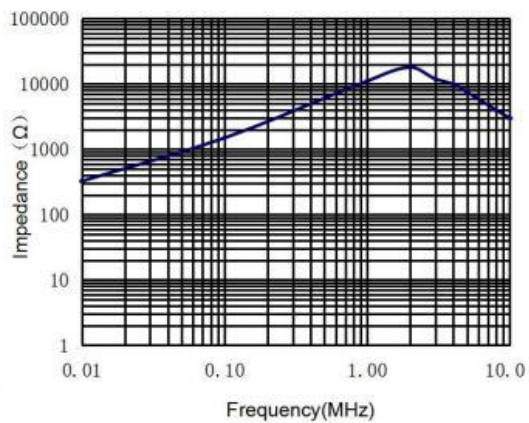
CMC0905B102T



CMC0905B/S202T



CMC0905B472T



CMC0905B652T

