

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

- Current compensated choke for data and signal lines.
- Power supply system.
- Signal and sensor lines.
- Suppression of common mode noise.

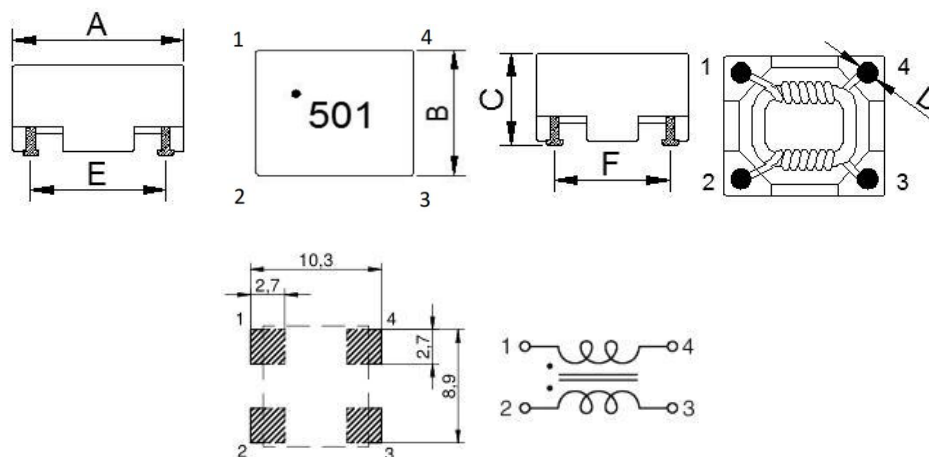
PRODUCT IDENTIFICATION

CMC 1005 S 102 T

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

- (1) Series name
- (2) Product dimensions
- (3) Feature Type (S:Sectional Winding)
- (4) Impedance Value (100:10Ω, 101:100Ω, 102:1000Ω)
- (5) Package(T:Tape&Reel)

SHAPE AND DIMENSIONS



Unit:mm

Series	A	B	C	D Typ.	E Typ.	F Typ.
CMC1005	9.5±0.3	8.3±0.3	5.3 Max.	Φ1.2	7.5	6.3.

SPECIFICATIONS

CMC1005 Series

Part Number	Impedance (Ω @100MHz)	Inductance Typ. (μ H@100KHz)	Leakage Inductance Typ.(nH@1MHz)	DCR Max. (m Ω)	Irms Max. (A)	Rated Voltage Typ. (Vdc)	Hi-Pot(Vdc) 1,4-2,3 3mA/1S
CMC1005S201T	200 $\pm$ 25%	2	450	5.0	7.0	80	500
CMC1005S501T	500 $\pm$ 25%	5	570	6.5	5.0	80	500
CMC1005S801T	800 $\pm$ 25%	9	970	11	3.5	80	500
CMC1005S102T	1000 $\pm$ 25%	11	1300	30	2.5	80	500
CMC1005S222T	2200 $\pm$ 25%	30	3500	60	1.4	80	500

Note:

Winding Type: Sectional.

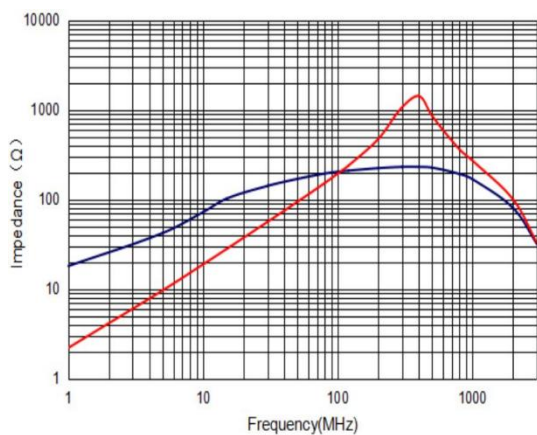
Irms: DC current that causes the temperature rise($\Delta T=40^{\circ}\text{C}$) from 25°C ambient.

CHARACTERISTICS CURVE

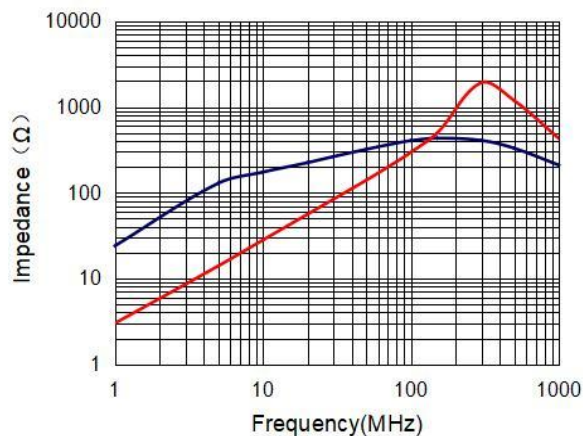
CMC1005 Series

— Common Mode
— Differential Mode

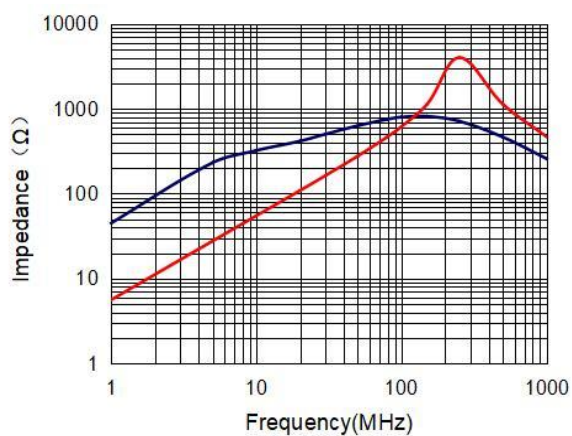
CMC1005S201T



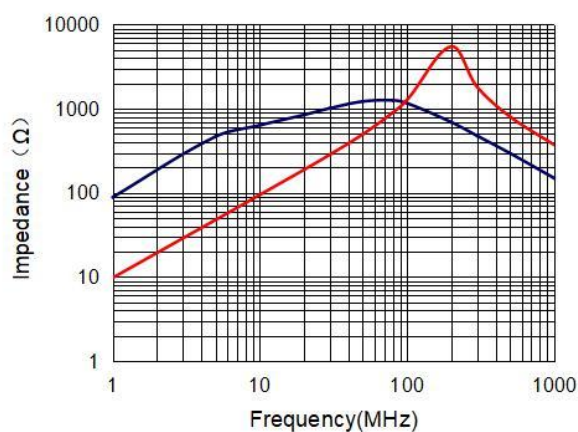
CMC1005S501T



CMC1005S801T



CMC1005S102T



CMC1005S222T

