

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.

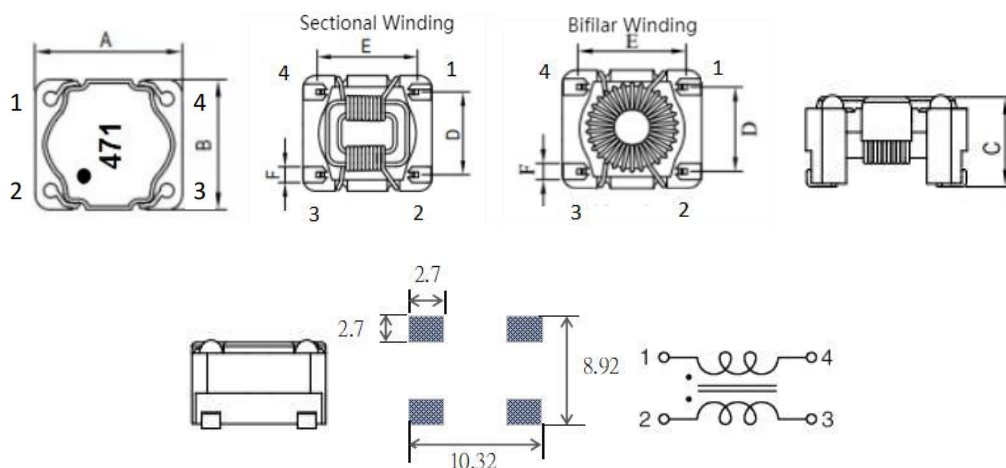
PRODUCT IDENTIFICATION

CMC 1006 S 102 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
CMC1006	10.0±0.5	8.7±0.3	6.5 Max.	6.22±0.10	7.62±0.10	1.4 Typ.

SPECIFICATIONS

CMC1006 Series

Part Number	Inductance ($\mu\text{H}@100\text{KHz}$)	DCR Max. ($\text{m}\Omega$)	Irms Max. (A)	Impedance (Ω)	Freq. range (MHz)	Hi-Pot(Vdc) 1,4-2,3 3mA/1S
CMC1006B5R0T	5 $\pm$ 50%	10	5.0	500 Max.	108	500
CMC1006B9R0T	9 $\pm$ 50%	11	3.5	800 Max.	105	500
CMC1006B100T	10 $\pm$ 40%	30	4.0	100 Min.	10~300	600
CMC1006B220T	22 $\pm$ 40%	35	3.8	300 Min.	10~200	600
CMC1006B470T	47 $\pm$ 40%	40	3.2	800 Min.	10~100	600
CMC1006S101T	100 $\pm$ 40%	25	3.0	100 Min.	10~300	1000
CMC1006S121T	120 $\pm$ 40%	25	2.5	200 Min.	10~200	1000
CMC1006S201T	200 $\pm$ 40%	15	3.0	300 Min.	7~150	1000
CMC1006S221T	220 $\pm$ 40%	32	2.2	350 Min.	7~150	1000
CMC1006S251T	250 $\pm$ 40%	35	2.0	400 Min.	5~100	1000
CMC1006S331T	330 $\pm$ 40%	48	2.5	500 Min.	5~100	1000
CMC1006S471T	470 $\pm$ 40%	65	1.6	900 Min.	2~40	1000
CMC1006S501T	500 $\pm$ 40%	70	1.5	800 Min.	2~50	1000
CMC1006S102T	1000 $\pm$ 40%	180	0.95	1400 Min.	1~40	1000
CMC1006B202T	2000 $\pm$ 40%	270	0.80	2000 Min.	0.5~15	300
CMC1006B222T	2200 $\pm$ 40%	300	0.75	3400 Min.	1~11	300
CMC1006B302T	3000 $\pm$ 40%	330	0.70	3000 Min.	0.5~10	300
CMC1006B332T	3300 $\pm$ 40%	360	0.65	4400 Min.	0.9~7	300
CMC1006B392T	3900 $\pm$ 40%	540	0.52	5000 Min.	0.7~6	300
CMC1006B402T	4000 $\pm$ 40%	600	0.45	4000 Min.	0.5~5	300
CMC1006B472T	4700 $\pm$ 40%	720	0.35	6200 Min.	0.6~3	300
CMC1006B502T	5000 $\pm$ 40%	780	0.30	5000 Min.	0.5~3	300

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

CMC1006 Series

