

# CME-NMCB100505K-SERIES



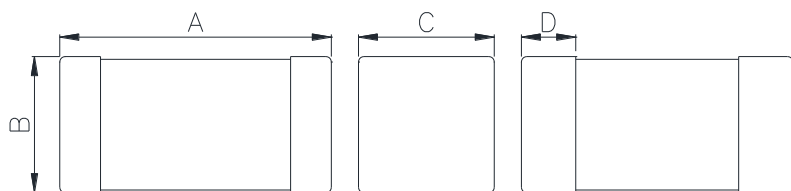
## Features

- ▶ Halogen-Free / RoHS compliant.
- ▶ Small size chips generate high impedance
- ▶ Monolithic structure for high reliability
- ▶ Excellent solderability and high heat resistance for either flow or reflow soldering
- ▶ Low DC resistance structure of electrode prevents wasteful electric power consumption

## Applications

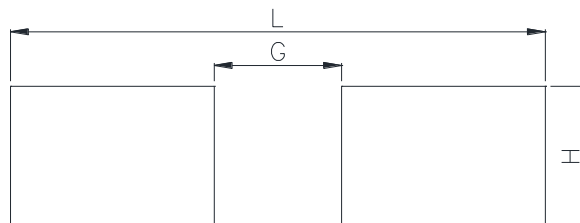
- ▶ Mother board, Tablet PC, Notebook, Desktop computers and peripheral equipment / DSC, DVC, LCD TV, Set top box / Mobile phone, Smart phone, PND / Digital communication equipment / Various automotive electronics / Circuit where a stable ground is unavailable

**Dimension (Unit:mm)**



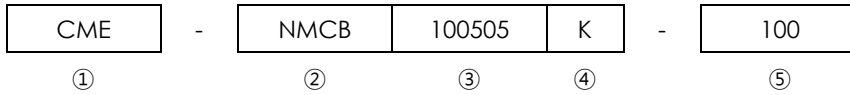
A	B	C	D
1.0±0.05	0.5±0.05	0.5±0.05	0.1~0.3

**Land Pattern (Unit:mm)**



L	G	H
2.1	0.5	0.55

## Regulation of part number



- ① CoilMaster's initial
- ② Product Series Name
- ③ Core Size (unit:mm)
- ④ Material Code
- ⑤ Normal Impedance (100 : 10 ohm)

## Specifications

Part Number	Impedance (ohm) $\pm 25\%$	DCR(ohm) Max.	Rated Current (mA)Max.
CME-NMCB100505K-300	30	0.15	300
CME-NMCB100505K-600	60	0.30	200
CME-NMCB100505K-101	100	0.50	200
CME-NMCB100505K-121	120	0.50	200
CME-NMCB100505K-221	220	0.80	100
CME-NMCB100505K-301	300	0.85	100
CME-NMCB100505K-471	470	1.00	100
CME-NMCB100505K-601	600	1.50	50

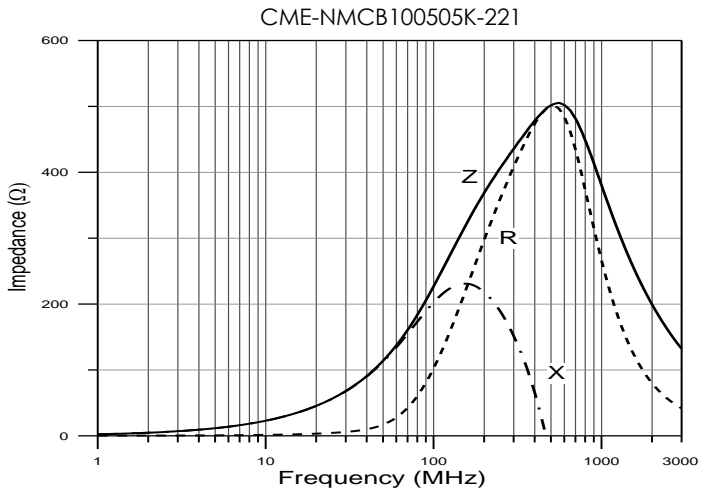
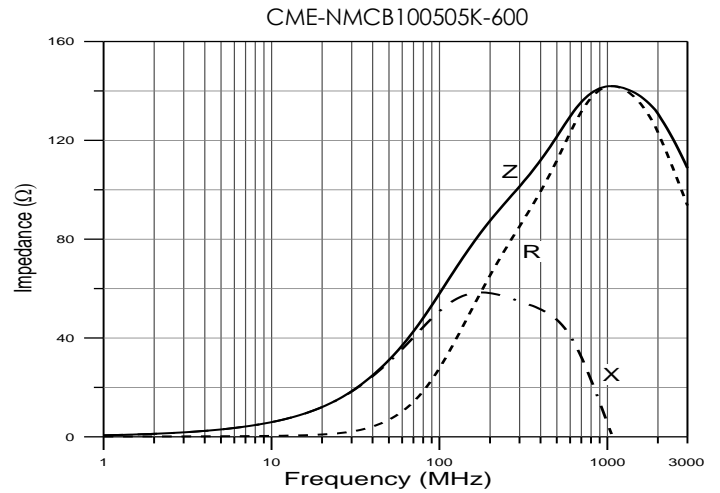
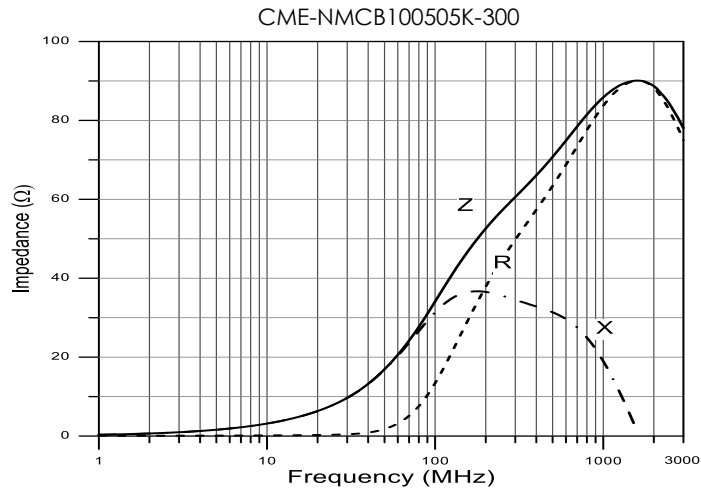
- Test Condition : 100 MHz, 500 mV
- Rated Current : the DC current value having temperature increased 40 °c after thru DC current 2 hours at ambient temperature.
- Storage Temperature Range : -40 °c ~ +85 °c
- Operating Temperature Range : -55 °c ~ +125 °c

Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

▪ **You can also contact us by e-mail : [coilmaster@coilmaster.com](mailto:coilmaster@coilmaster.com)**

- All specifications are subject to change without notice.
- Update date : 2023.03.29

## Electrical characteristics

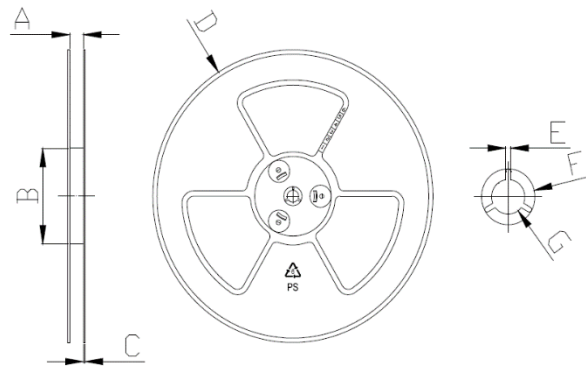


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## Packaging

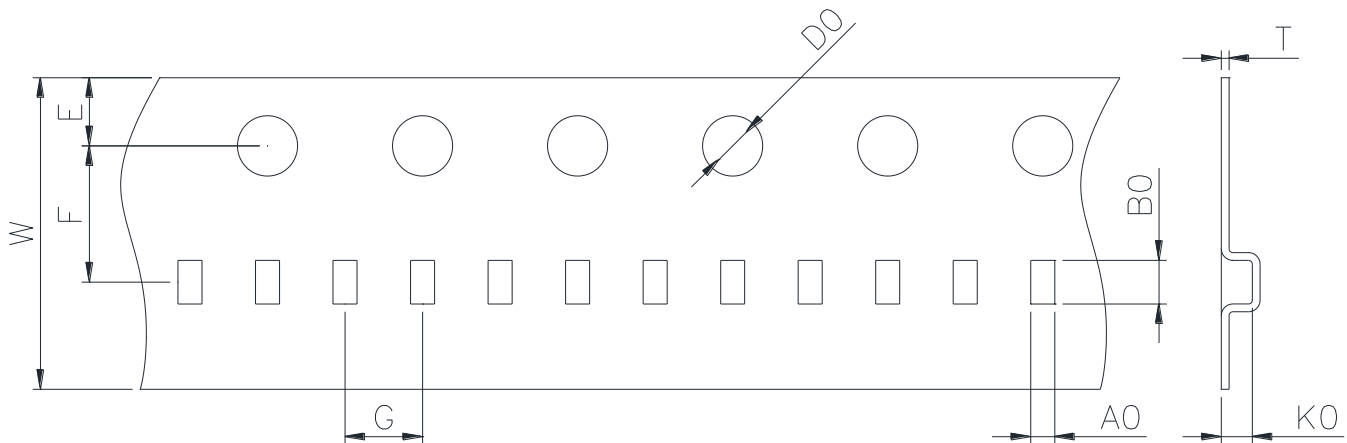
(1) Package quantity : 10,000 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C	D	E	F	G
10.00	60.00	2.00	178.0	2.00	21.00	13.00
+1.50	+2.00	+0.50	+2.00	+0.50	+0.80	+0.80
-1.50	-2.00	-0.50	-2.00	-0.50	-0.80	-0.80

(3) Tape Dimensions



W	A0	B0	T	E	F	G	D0	K0
8.00	0.65	1.15	0.20	1.75	3.50	2.00	1.50	0.80
+0.20	+0.10	+0.10	+0.05	+0.10	+0.05	+0.10	+0.10	+0.05
-0.20	-0.10	-0.10	-0.05	-0.10	-0.05	-0.10	-0.00	-0.05

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