

CME-CLCF906050PC-SERIES

Features

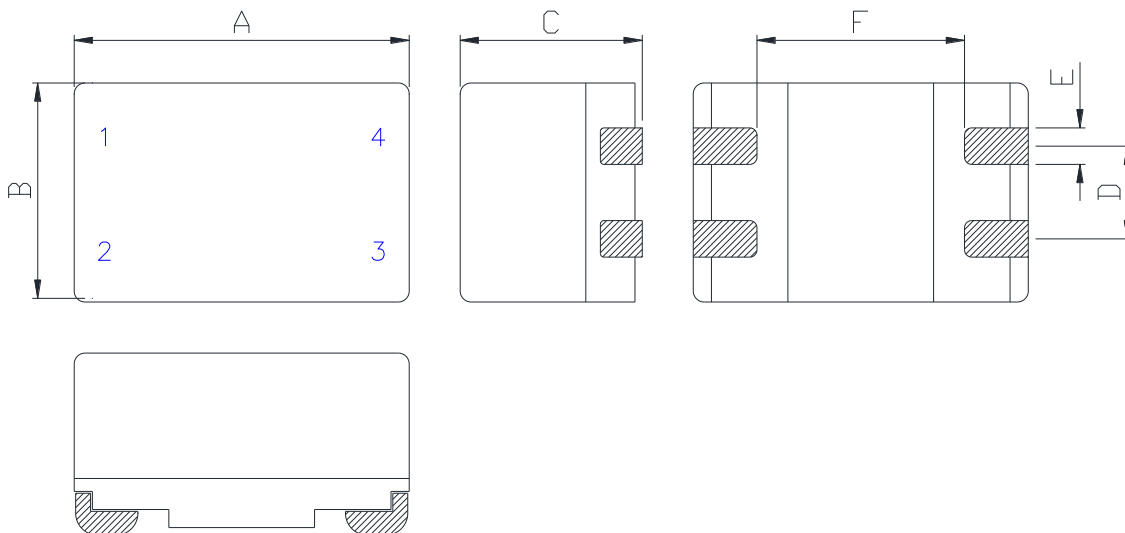
- ▶ High rated current and low-profile design.
- ▶ Wire-wound common mode choke.
- ▶ High common mode impedance for effective EMI suppression.



Applications

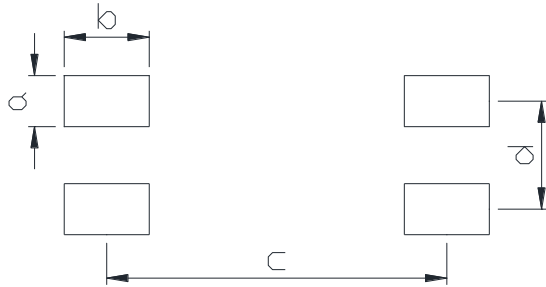
- ▶ Common mode noise suppression for signal, data and power lines.
- ▶ Automotive signal and sensor lines.
- ▶ Low-voltage power supply lines.
- ▶ Automotive and industrial electronic devices.

Dimension (Unit:mm)



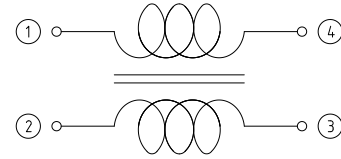
A	B	C	D	E	F
9.2 ±0.3	6.0 ±0.3	5.0 ±0.3	2.54 ±0.3	1.0 Ref	5.7 Ref

Recommended Land Pattern

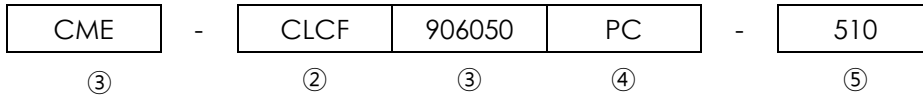


a	b	c	d
1.2	2.0	7.5	2.54

Circuit Diagram



Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Car Line Common mode Filter
- ③ Core Size (unit:mm)
- ④ Type
- ⑤ Common mode inductance value (51 uH)

Specifications

Part Number	Inductance (uH) $\pm 30\%$	Inductance Test Condition	Maximum Impedance (Ohm) Typ.	Rated Current (A) Max.	DCR (ohm) Max.	Leakage Inductance 1MHz, 1mA (nH) Typ.
CME-CLCF906050PC-100	10	1kHz, 100mV	920	1.6	0.08	55
CME-CLCF906050PC-250	25	1kHz, 100mV	2800	1.0	0.12	60
CME-CLCF906050PC-510	51	1kHz, 100mV	5500	1.0	0.16	85

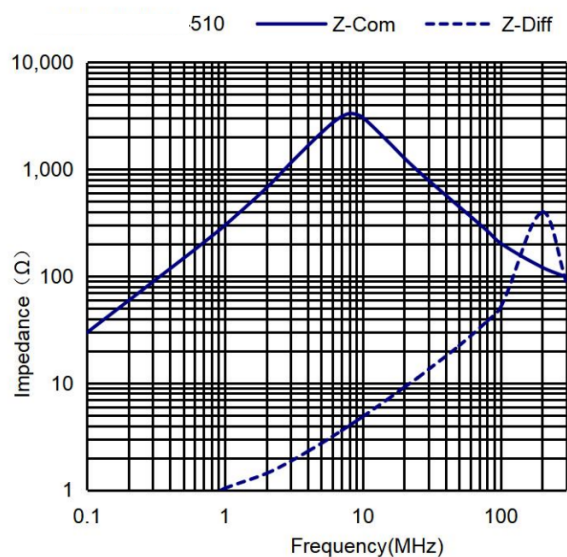
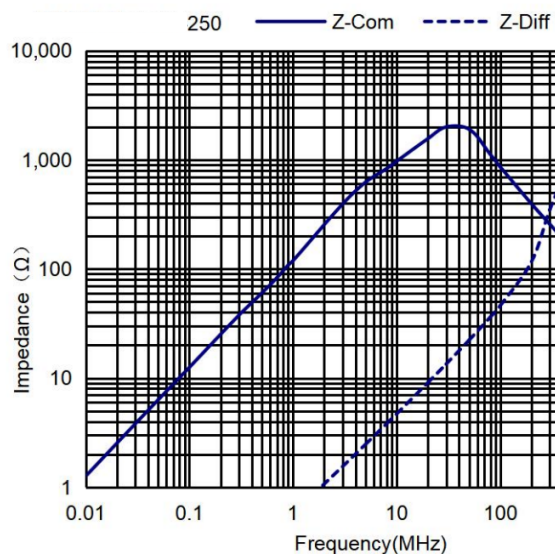
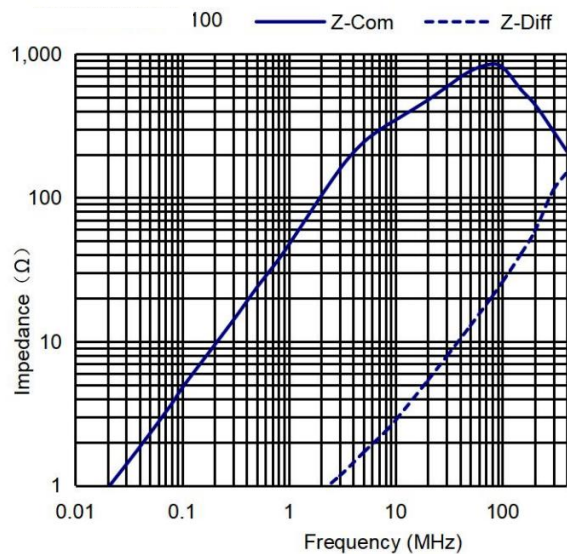
- The Rated current : The DC current at which the temperature rise is $\Delta t = 40^\circ\text{C}$ (approximately)
- Operating Temperature Range (including self temperature): $-40^\circ\text{C} \sim +125^\circ\text{C}$

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

- All specifications are subject to change without notice.
- Update date: 2026.09.08 (Rev.0.0)

Electrical characteristics

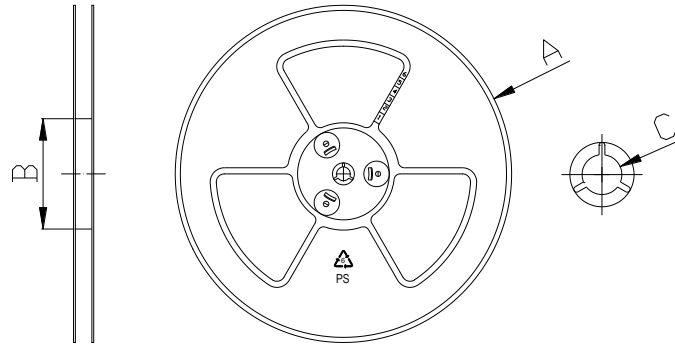


- You can also contact us by e-mail: coilmaster@coilmaster.com
- All specifications are subject to change without notice.
- Update date: 2026.09.08 (Rev.0.0)

Packaging

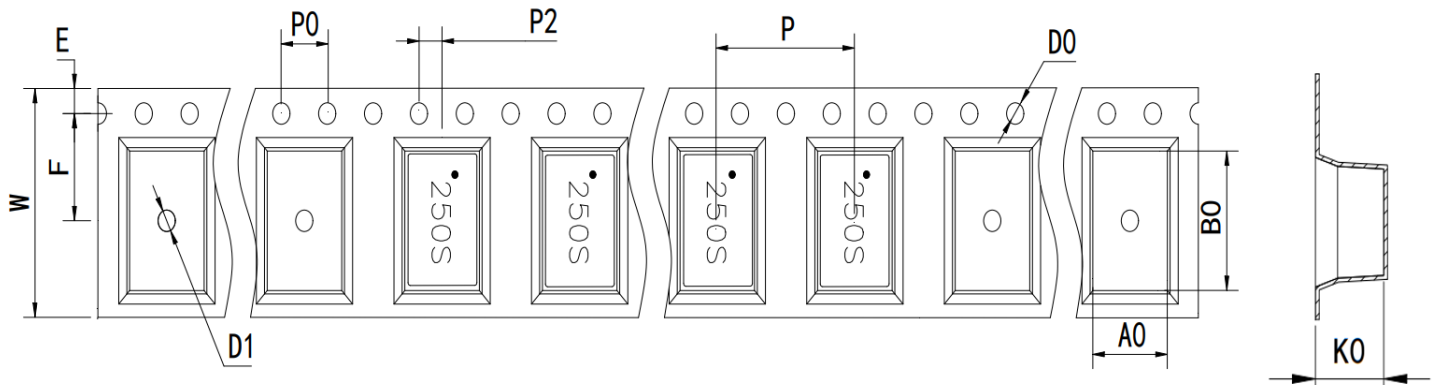
(1) Package quantity: 1,000 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C
330	100	13

(3) Tape Dimensions



W	A0	B0	K0	E	F	P	P0	P2	D0/D1
16.0	6.30	9.60	5.30	1.75	7.5	12.00	4.00	2.00	1.50

Korea Sales Office (KOREA)

+82)31-904-1444

H.K Sales Office (HONGKONG) +852)2711-5551

China Sales Office (CHINA)

+86)0758-683-1444

LA Sales Office (USA)

+1)714-616-6989

Hungary Sales office (EUROPE)

+36)1-404-5832

• You can also contact us by e-mail: coilmaster@coilmaster.com

• All specifications are subject to change without notice.

• Update date: 2026.09.08 (Rev.0.0)

www.coilmaster.com