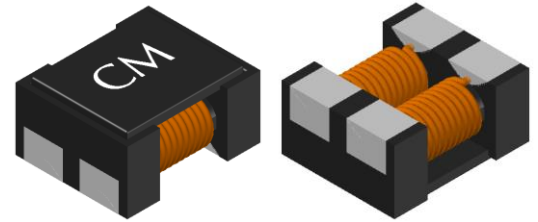


# CME-CPCF121065V-SERIES

## Features

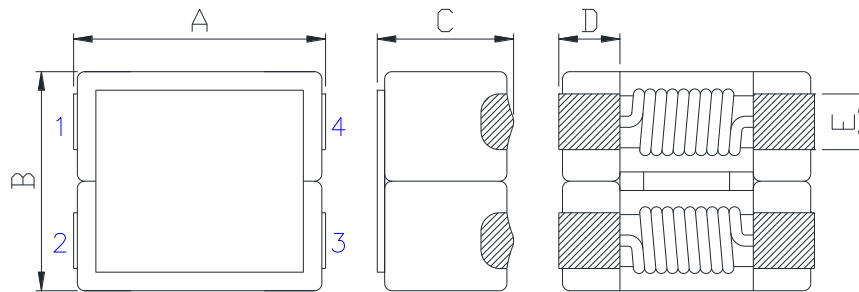
- ▶ Due to the low profile design, it is suitable for surface mount.
- ▶ High impedance characteristic has been achieved a superior effect for common mode noise suppression.
- ▶ Have achieved miniaturization while keeping characteristics by adoption of exclusive square type closed magnetic cores.



## Applications

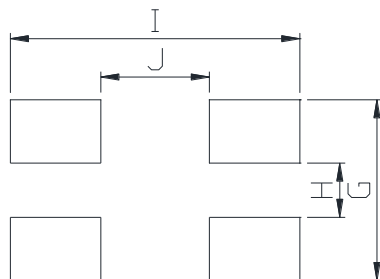
- ▶ Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices, including automotive power trains and safety applications.

## Dimension (Unit:mm)



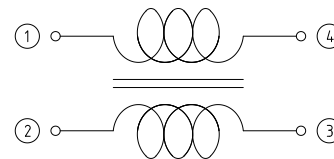
A	B	C	D	E
12.5±0.8	10.8±0.5	6.5Max.	2.5 Typ.	2.7 Typ.

## Recommended Land Pattern



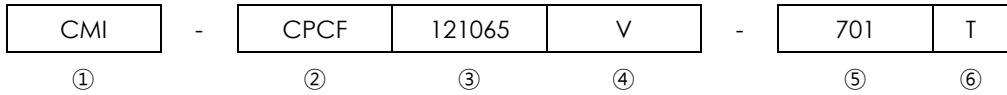
G	H	I	J
8.5	2.0	12.5	6.5

## Circuit Diagram



- 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 : 2023.05.03

## Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Car Power line Common mode Filter
- ③ Size (unit:mm)
- ④ Type
- ⑤ Typical impedance value (700 ohm)
- ⑥ Packing type (Taping)

## Specifications

Part Number	Impedance (Ohm) Typ.(Min.)	DCR (mohm) Max.	Rated Current (A) Max.	Insulation resistance (MΩ)Min.	Rated voltage (Vdc) Max.	Test Frequency (Hz)
CME-CPCF121065V-231T	230(80)	2.5	9.8	10	100	100M
CME-CPCF121065V-701T	700(450)	7.5	7.8	10	100	100M
CME-CPCF121065V-102T	1000(600)	15.5	5.8	10	100	100M

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

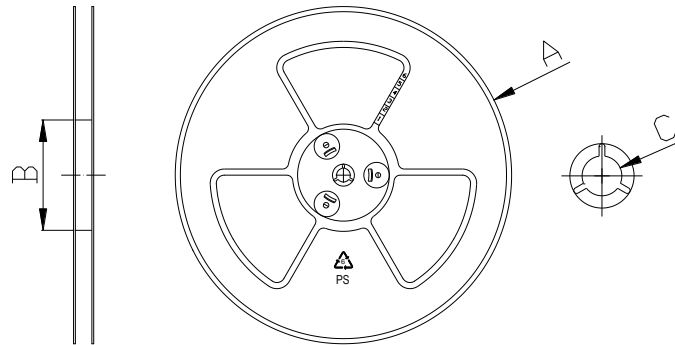
Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

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## Packaging

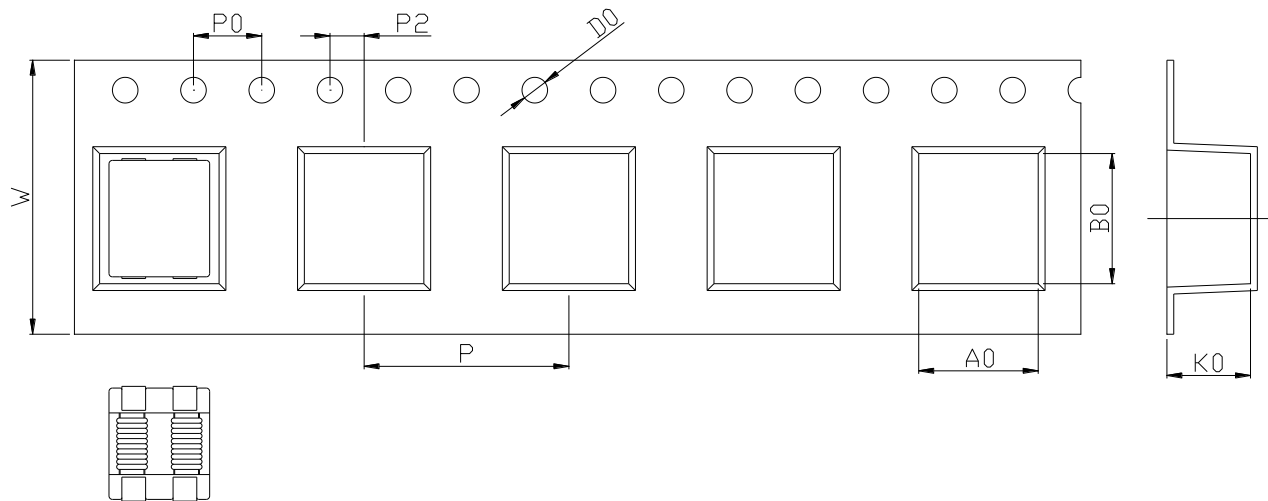
(1) Package quantity : 500 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C
330	100	13

(3) Tape Dimensions



W	A0	B0	K0	P	P0	P2	D0
16.0	12.6	13.3	6.8	16.0	4.0	2.0	1.5

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