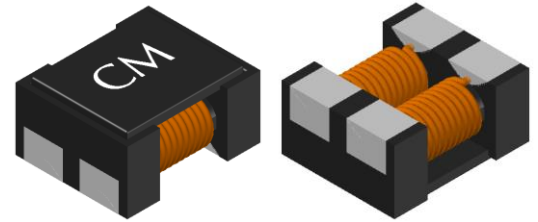


CME-CPCF706038V-SERIES

Features

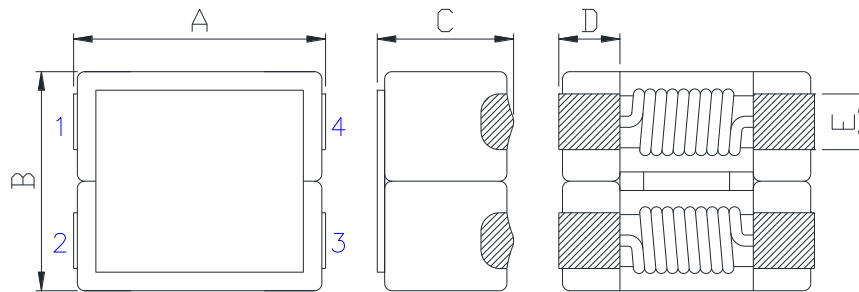
- ▶ Due to the low profile design, it is suitable for surface mount.
- ▶ High impedance characteristic has been achieved a superior effect for common mode noise suppression.
- ▶ Have achieved miniaturization while keeping characteristics by adoption of exclusive square type closed magnetic cores.



Applications

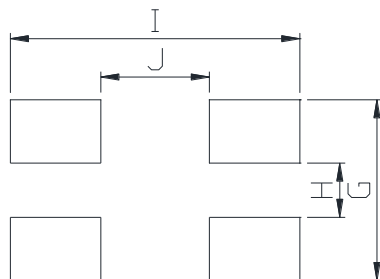
- ▶ Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices, including automotive power trains and safety applications.

Dimension (Unit:mm)



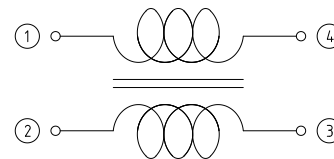
A	B	C	D	E
7.5 ±0.8	6.0 ±0.5	3.8 Max.	1.7 Typ.	1.5 Typ.

Recommended Land Pattern



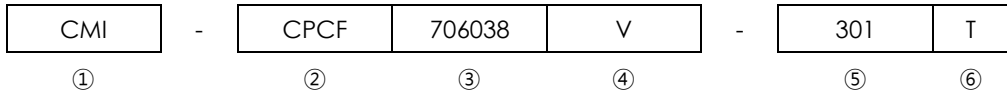
G	H	I	J
5.0	1.5	8.0	3.0

Circuit Diagram



- You can also contact us by e-mail : 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 (300 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-CPCF706038V-301T	300(225)	10	4.8	10	80	100M
CME-CPCF706038V-701T	700(500)	16	3.8	10	80	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) : $-40\text{ }^{\circ}\text{c} \sim +125\text{ }^{\circ}\text{c}$

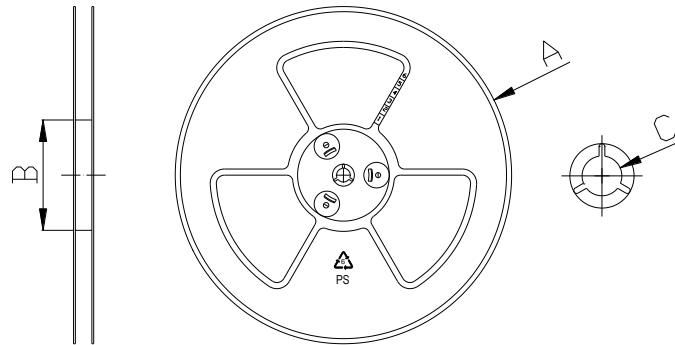
Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

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Packaging

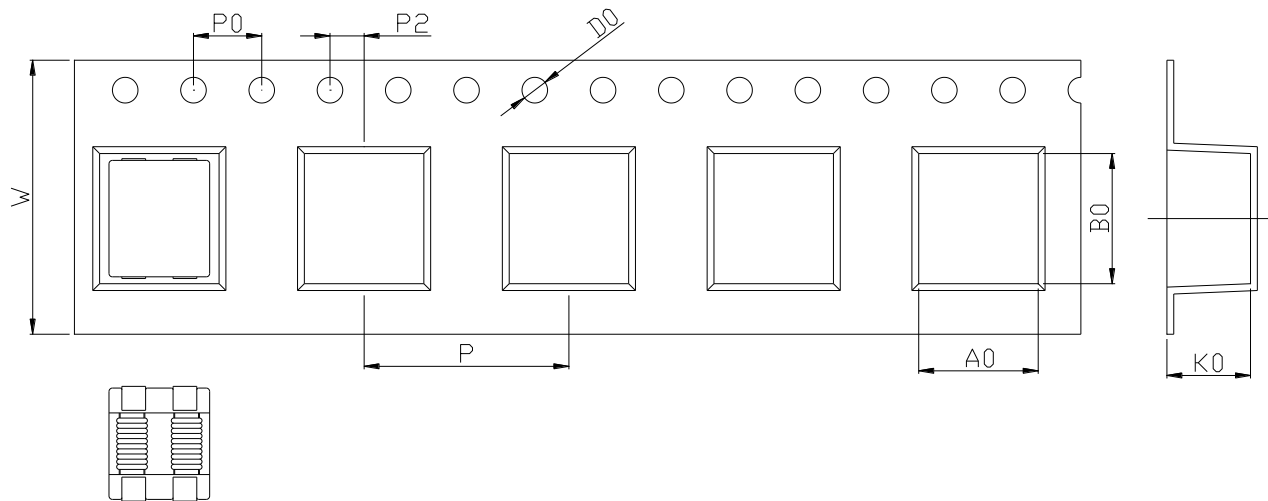
(1) Package quantity : 500 (pcs/reel)

(2) Reel Dimensions (unit:mm)



A	B	C
330	100	13

(3) Tape Dimensions



W	A0	B0	K0	P	P0	P2	D0
16.0	7.0	8.3	4.3	12.0	4.0	2.0	1.5

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