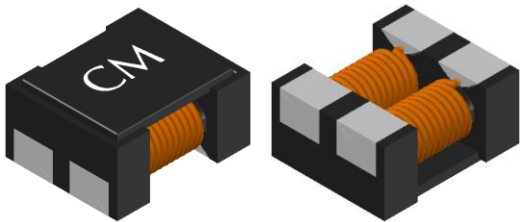


CME-CPCF474521V-SERIES

Features

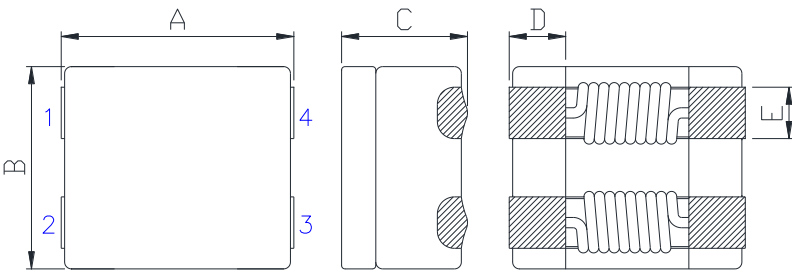
- ▶ Due to the low profile design, it is suitable for surface mount.
- ▶ High impedance characteristic has been achieved a superior effect for common mode noise suppression.
- ▶ Have achieved miniaturization while keeping characteristics by adoption of exclusive square type closed magnetic cores.



Applications

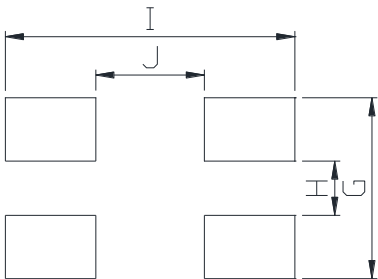
- ▶ Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices, including automotive power trains and safety applications.

Dimension (Unit:mm)



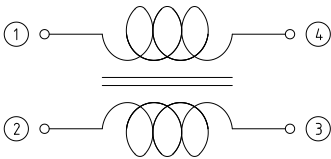
| A | B | C | D | E |
|----------|----------|----------|----------|----------|
| 5.2 ±0.8 | 4.5 ±0.5 | 2.1 Max. | 1.0 Typ. | 0.8 Typ. |

Recommended Land Pattern



| G | H | I | J |
|-----|-----|-----|-----|
| 3.0 | 1.0 | 6.0 | 2.0 |

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

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-CPCF474521V-231T | 230(180) | 55 | 1.8 | 10 | 50 | 100M |
| CME-CPCF474521V-421T | 420(300) | 60 | 1.5 | 10 | 50 | 100M |
| CME-CPCF474521V-901T | 900(650) | 80 | 1.3 | 10 | 50 | 100M |
| CME-CPCF474521V-142T | 1400(1000) | 95 | 1.1 | 10 | 50 | 100M |
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- 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) : $-40^{\circ}\text{c} \sim +125^{\circ}\text{c}$

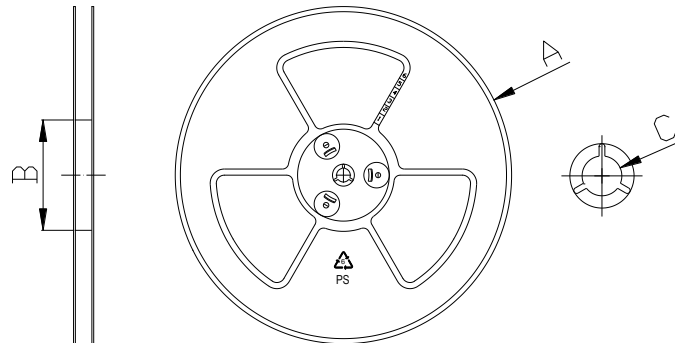
Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

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Packaging

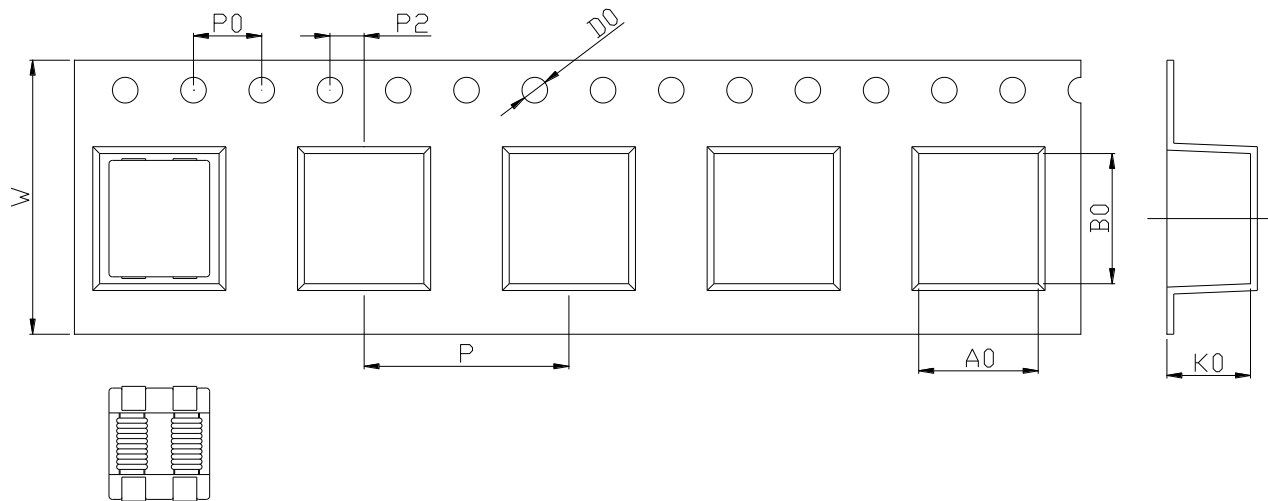
(1) Package quantity : 500 (pcs/reel)

(2) Reel Dimensions (unit:mm)



| A | B | C |
|-----|----|----|
| 178 | 60 | 13 |

(3) Tape Dimensions



| W | A0 | B0 | K0 | P | P0 | P2 | D0 |
|------|-----|-----|-----|-----|-----|-----|-----|
| 12.0 | 5.5 | 6.0 | 2.5 | 8.0 | 4.0 | 2.0 | 1.5 |

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