

CME-CPCF2612PN-SERIES

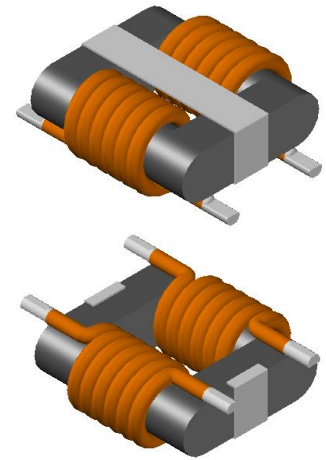
Common mode filter for Power line

Features

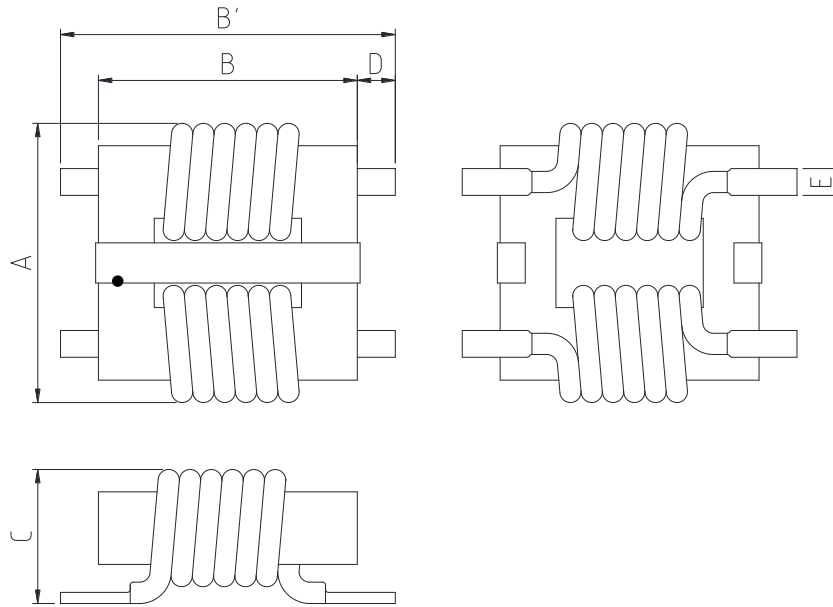
- ▶ Due to the low profile design, it is suitable for surface mount.
- ▶ Custom options for inductance, impedance, DCR and current rating are available.
- ▶ Have achieved miniaturization while keeping characteristics by adoption of exclusive square type closed magnetic cores.

Applications

- ▶ High current and high temperature applications
- ▶ EMI Filters
- ▶ Motor noise suppression.



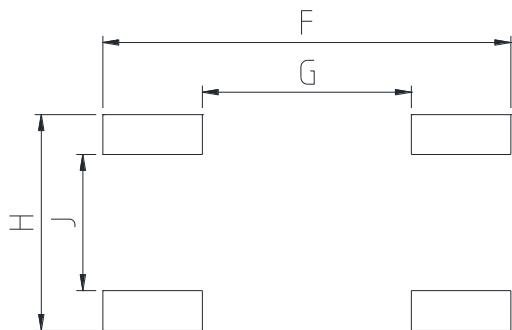
Dimension (Unit:mm)



Part Number	A	B	B'	C	D	E
CME-CPCF2612PN-900M	25.5 Max.	24.5 Max.	30.5 Max.	12.0 Max.	3.4 ±0.3	2.4 ±0.2
CME-CPCF2612PN-121M	25.5 Max.	24.5 Max.	30.5 Max.	11.0 Max.	3.4 ±0.3	2.2 ±0.2
CME-CPCF2612PN-251M	24.5 Max.	24.5 Max.	30.5 Max.	10.5 Max.	3.4 ±0.3	1.8 ±0.2
CME-CPCF2612PN-301M	24.0 Max.	24.5 Max.	30.5 Max.	10.5 Max.	3.4 ±0.3	1.6 ±0.2
CME-CPCF2612PN-481M	23.5 Max.	24.5 Max.	30.5 Max.	9.5 Max.	3.4 ±0.3	1.5 ±0.2

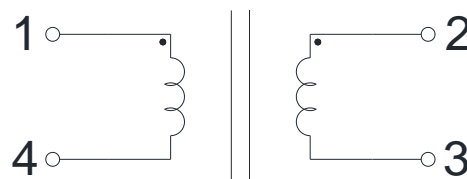
• All specifications are subject to change without notice.
 • Update date : 2022.03.29

Recommended Land Pattern



F	G	H	J
30.75	15.75	16.25	10.25

Circuit Diagram



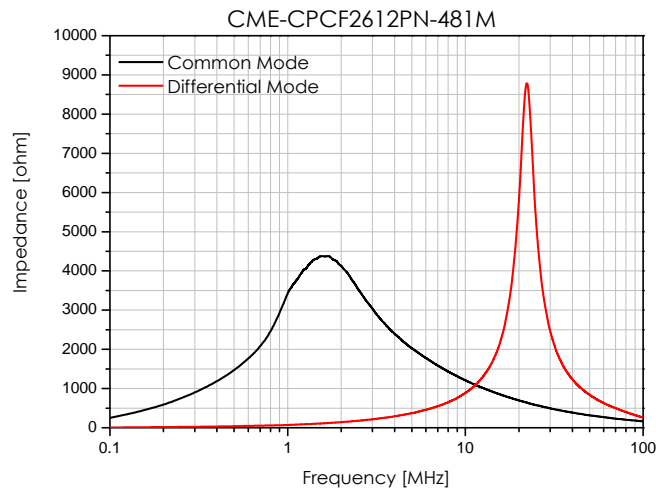
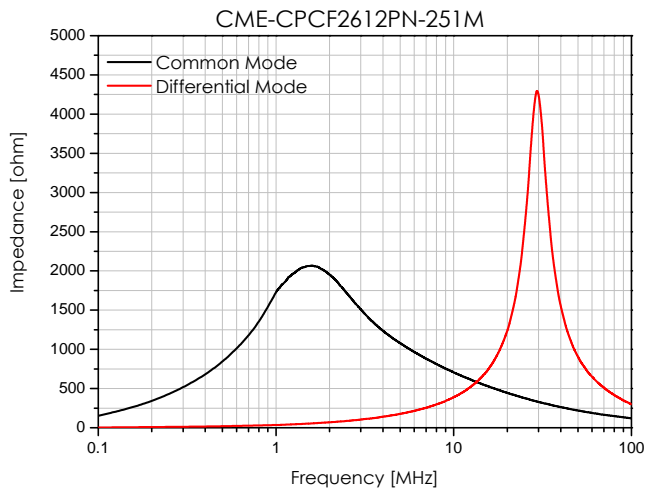
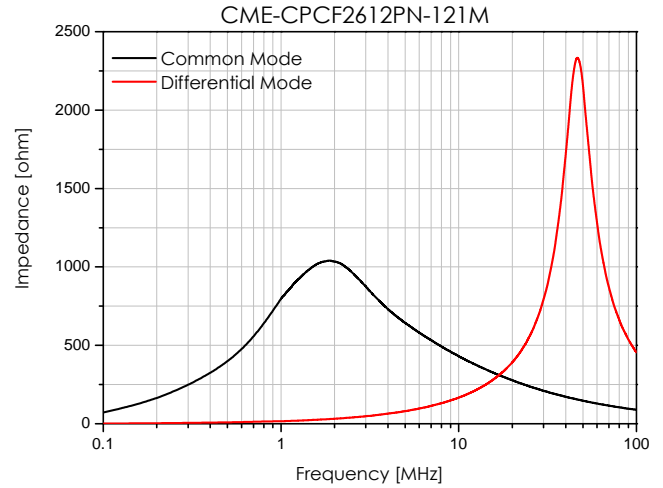
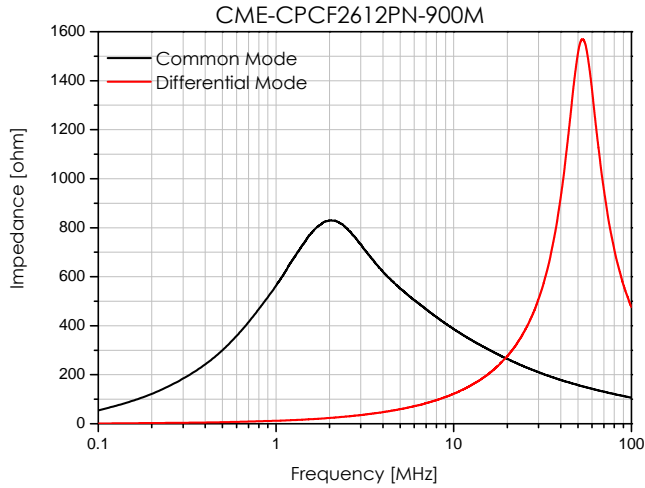
Specifications

Part Number	Inductance (uH) $\pm 30\%$	Common Mode Impedance (mohm) Typ.		DCR (ohm) Max.	Isat (A) Typ.	I _{rms} (A) Typ.	Leakage (uH) Max.
		@ 1 MHz	@ 10 MHz				
CME-CPCF2612PN-900M	90	560	380	0.0015	35.00	31.00	2.5
CME-CPCF2612PN-121M	120	790	480	0.0018	28.00	25.00	3.5
CME-CPCF2612PN-251M	250	1700	850	0.0050	19.00	14.00	7.5
CME-CPCF2612PN-481M	480	3400	1200	0.0125	13.00	8.00	14.0

- Inductance test Frequency : 100 kHz
- Isat : When based on the inductance change rate (approximately 30% below in the initial value)
- I_{rms} : When based on the temperature increase (Temperature increase of approximately 40°C by self heating)
- Operating Temperature Range(including self temperature) : -40°C ~ +155 °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.

Electrical characteristics



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