

Super High Current Power Inductor CPCF3222/3535 Series

- Ferrite core with low loss
- Flat wire winding low DC resistance
- Improves efficiency of DC-DC converters



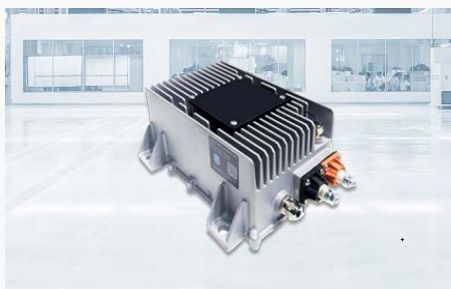
CODACA has released the CPCF series of super-high-current power inductors, including CPCF3222 and CPCF3535. This series uses low power loss ferrite core materials with good current stability in high-frequency and high temperature environments. Moreover, the saturation current is less affected by temperature and flat wire winding design, resulting in low DC resistance and temperature rise.

CPCF series optimizes the ratio between magnetic core volume, surface area, and coil winding area, resulting in a more compact design that allows the power inductor to achieve maximum output power in a smaller package and occupies the smaller PCB space. The CPCF3222 and CPCF3535 series are through-hole super high current power inductors widely used in high-power designs such as DC-DC converters and energy storage power supplies, helping to improve the conversion efficiency of DC-DC converters effectively. CODACA can also quickly customize inductors of different sizes, materials, inductance, and electrical performance according to the special design needs of customers.

■ Features

- Flat wire winding, low resistance, and low temperature rise
- Wide temperature and low magnetic core loss
- Excellent DC bias characteristics
- Magnetic shielding structure reduces EMI
- Working temperature: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

■ Applications



DC-DC Converter





Energy Storage Power Supplies

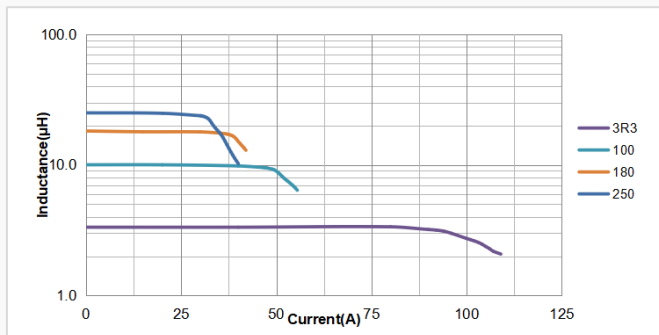


Battery Testing Equipment

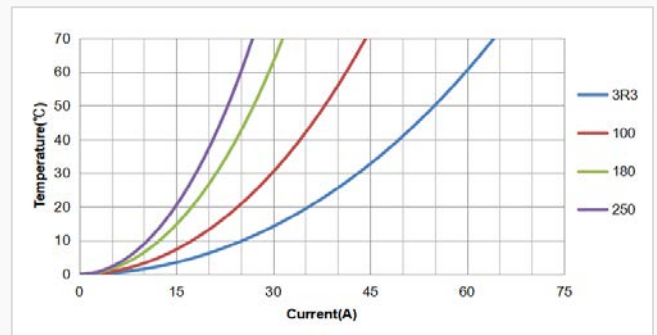
Electrical Characteristics

	Part No.	Inductance (μH)	D.C.R. (mΩ)	Saturation current (A)	Temperature rise current (A)	Size LxWxH(mm)
	CPCF3222	3.30~25.0	0.88~4.60	29.0~89.2	20.7~49.5	32.0X22.5X30.0
	CPCF3535	6.80~47.0	1.36~7.00	25.7~71.0	30.0~54.0	36.0X35.7X34.2

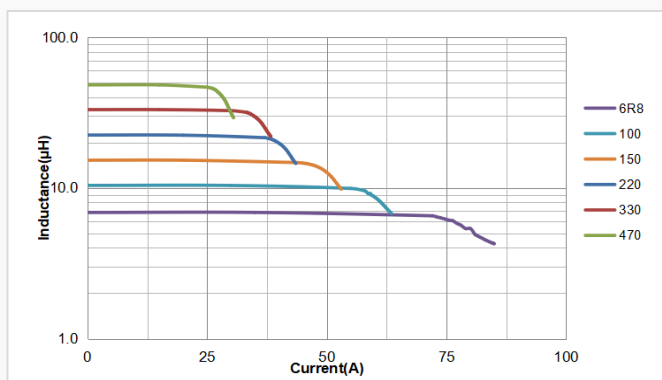
Current Curve



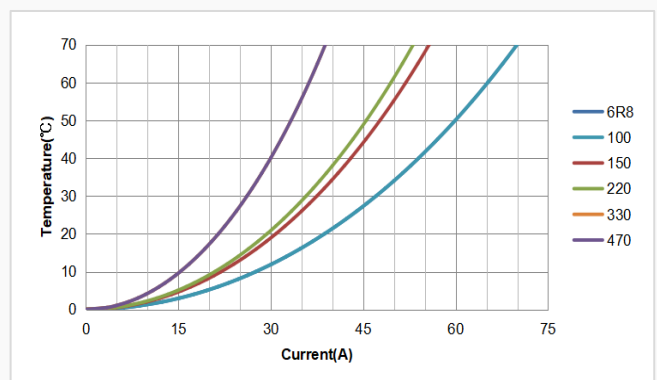
CPCF3222 Saturation Current



CPCF3222 Temperature Rise Current



CPCF3535 Saturation Current



CPCF3535 Temperature Rise Current

Quality Management System

- IATF16949
- CNAS laboratory
- ISO9001
- ISO14001
- ISO45001

