

Compact High Current Power Inductor CSUT Series

- Small size, high current, customizable
- Applications in DC-DC converters, portable power supplies, battery management systems, etc.



■ General Description

CSUT series inductors are designed with low loss magnetic powder core material and flat wire winding, featuring low DC resistance and high saturation current. Fully shielded structure, compact design, and bottom electrode can save PCB area and meet customer's high density mounting requirements. Innovative T-core + U-core assembly design structure, can be quickly customized according to customer needs.

■ Features



Compact Design

Compact design saves PCB mounting area



High Current

Excellent DC bias capability to handle instantaneous peak current



Magnetically Shielded Structure

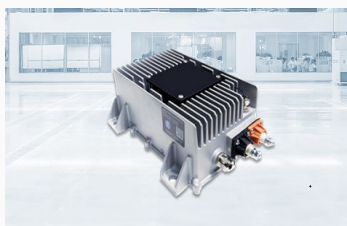
Excellent resistance to electromagnetic interference



Quickly Customizable

Inductors can be quickly customized according to customers' needs

■ Applications



DC-DC Converters



Portable Power Supply

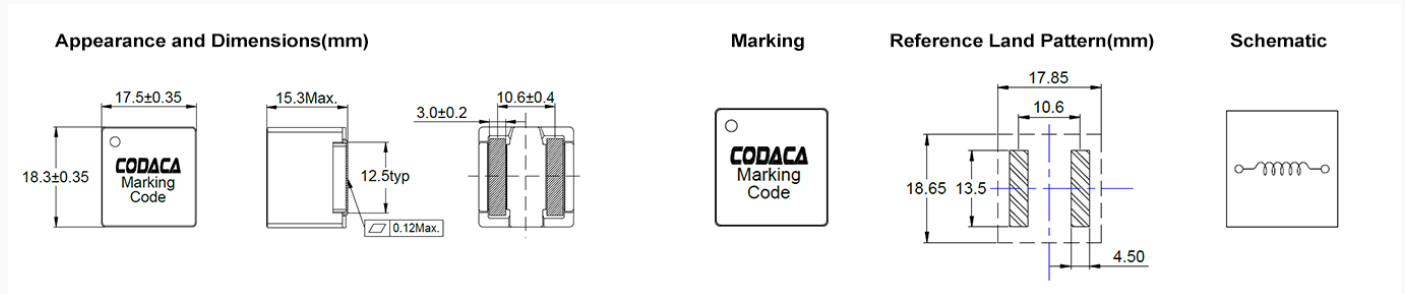


Renewable Energy






BMS

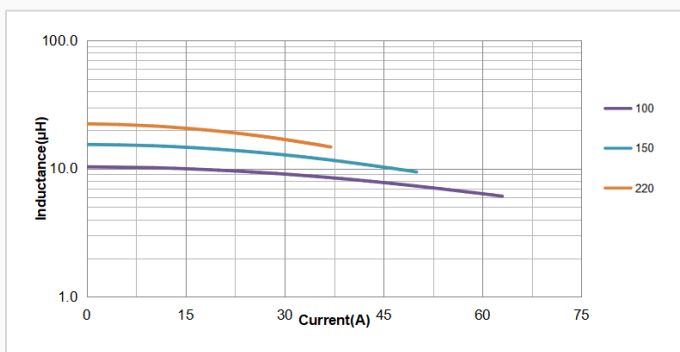
Appearance and Size



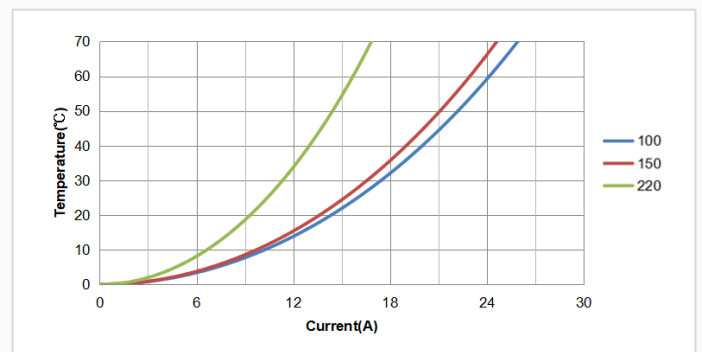
Electrical Characteristics

Part No.	Inductance (μH)	D.C.R. (mΩ)	Saturation current (A)	Temperature rise current (A)	Size LxWxH(mm)
 CSUT1715-100MC	10.0	4.70	38.0	20.0	17.5X18.3X15.3
 CSUT1715-150MC	15.0	6.70	33.0	19.0	17.5X18.3X15.3
 CSUT1715-220MC	22.0	10.0	29.0	13.0	17.5X18.3X15.3

Current Curve



Saturation Current Curve



Temperature Rise Current Curve

Quality Management System

- IATF16949
- CNAS laboratory
- ISO9001
- ISO14001
- ISO45001

