

Reactor Coil

Terminal Connection Type

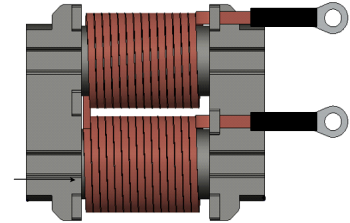
RED-4165

Construction

- Powder Magnetic Core

Features

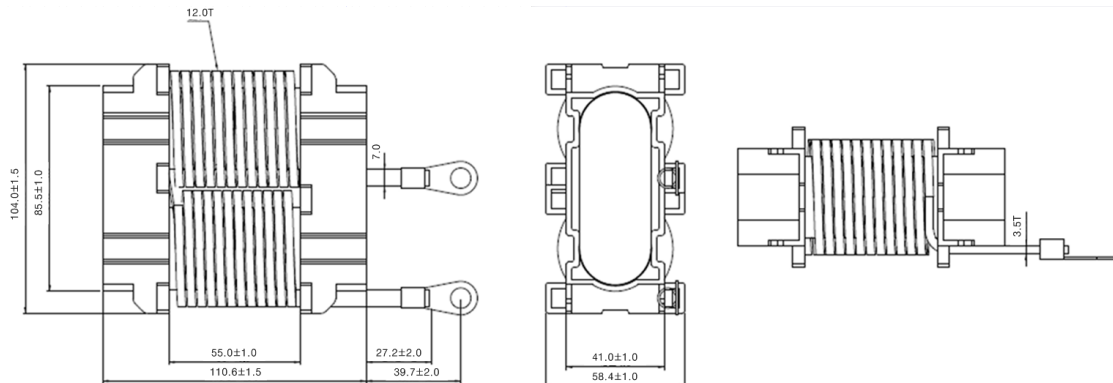
- Qualified to AEC-Q200
- Operating temperature -50 ~ +125°C (Including self temperature)
- Limiting Inrush/Transient Current
- Harmonic Filtering (Noise Reduction)
- Energy Storage in Power Conversion



Applications

- Automotive
- EV Charging Stations & On-Board Chargers (OBC)
- Renewable Energy Inverters (Solar/Wind Power)
- Industrial Motor Drives (Inverters/Converters)

Dimensions (Unit:mm)



Electrical Characteristics

Ordering code	Inductance(uH)	DCR(mΩ,MAX)	Isat*1(A,MAX)	Irms*2(A,TYP)	Insulation Resistance (DC 1000V,Min)
RED-4165	120.0±20%	5.00	100.0	100.0	100.0Ω

※Can be tailored to your specifications

※Test Equipment

*Inductance : MICROTEST 6632 (1MHz, 1.0V)

*DCR Meter : ABM3245 (20mΩ~2MΩ)

*Bias Current : MICROTEST 6632 + 6240

*Specifications subject to change without notice. Please check our website for latest information.

*Notes

*1.Isat : DC current (A) that will cause L0 to drop approximately 30%

*2.Irms : DC current (A) that will cause an approximate ΔT of 40°C

(As the product temperature rises due to self-heating, the margin must be taken into account)

Revised 29/07/26