

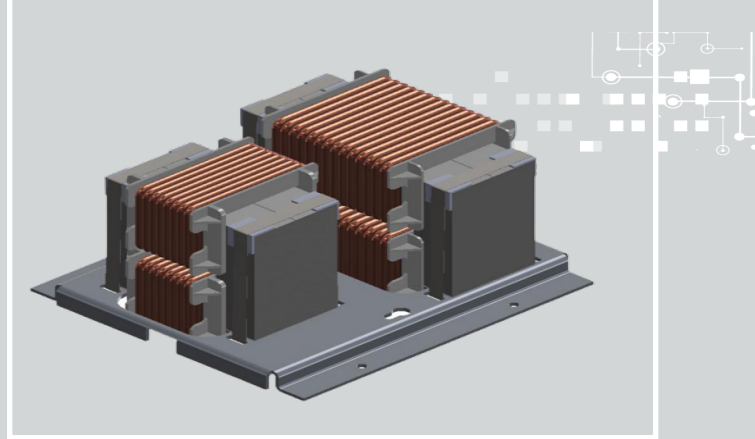
New

FCS-32KW-001

44-152KHz 0.641 65 μ H

INDUCTIVE COMPONENTS / OFFBOARD CHARGERS

TRANSFORMERS



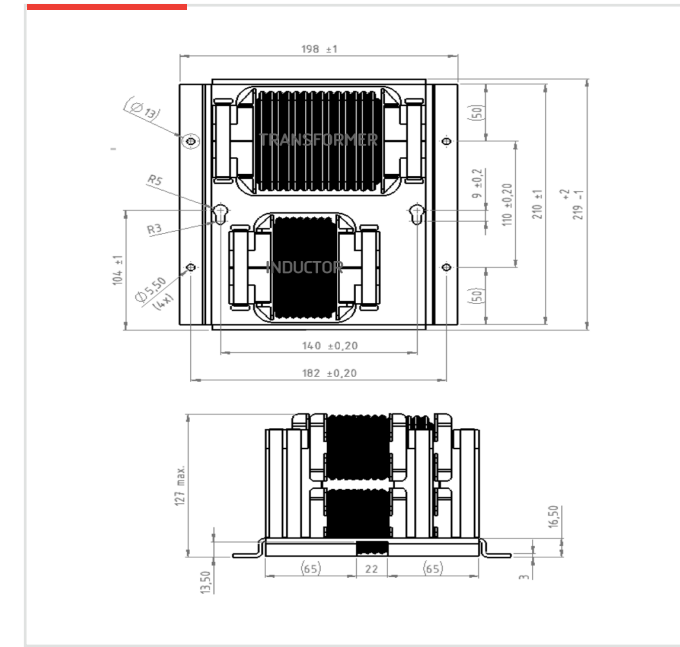
APPLICATIONS

> xEV fixed charging stations

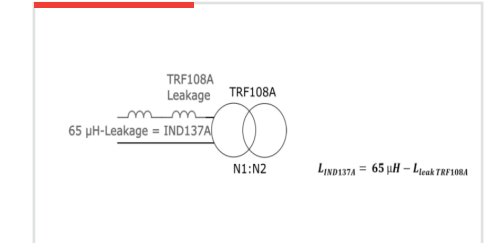


02 SPECIFICATIONS

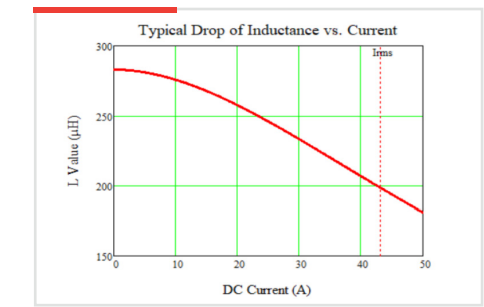
DIMENSIONS (mm)



ELECTRICAL DIAGRAM



INDUCTANCE VS CURRENT



ELECTRICAL SPECIFICATIONS

Turn Ratio	0.641
Leakage inductance	
(50kHz/1Vac)	65 TYP mH
OCL inductance	
(50kHz/1Vac)	2 TYP mH
DC resistance	
PRIM+IND in series	12.4 TYP m Ω
SEC	3.4 TYP m Ω
DIELECTRIC STRENGTH	
(4.5kVac/50Hz/1min)	5 mA

01 FEATURES

- > Power inductive set of 31.5kVA including an isolated 780V/500V transformer and a 65uH resonant choke
- > RES. TR+IND 31.5kVA 780V/500V 44-152kHz 65uH
- > Primary/chassis insulation > 1450Vac
- > Secondary/chassis insulation > 2750Vdc
- > Primary/secondary insulation > 6200Vdc
- > Primary dV/dt < 520V/us
- > Secondary dV/dt < 330V/us
- > Choke dV/dt < 5.7kV/us (maximum repetitive peak voltage across terminals 2kV)