Serial resonant choke for 3.5kW half-bridge LLC
Works with Lp = 36µH and Cr = 312nF
Frequency range 100-250kHz
UL94 and RoHS materials (F/155°C)
Design based on AEC-Q200
Weight : approx 100grams
High accuracy outputs position

VIN = 200-430Vdc / VOUT = 200-430Vdc
RMS current 28Arms MAX
Operating temperature -40/+140°C with cooling (potting)

APPLICATIONS
► Automotive EV/PHV AC/DC onboard battery chargers

FEATURES
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OPERATION
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SPECIFICATIONS

- INDUCTANCE at 25°C
  L (100kHz/1Vac) | 6.4µH ±8%
- DC RESISTANCE at 25°C
  R | 4.6mΩ TYP (5.5mΩ MAX)
- DIELECTRIC STRENGTH
  (WDG)/(CORE) | 500Vac/50Hz/3mA/1min*
  (*) 1min in qualification / 2sec in mass production