

Ultra-High Current Power Inductor AWEQF3635 Series

Product features

- Ultra-high current capability and low DCR with flat-wire winding
- Stable inductance across wide temperature range (-55°C to +155°C)
- Magnetically shielded structure effectively suppresses EMI
- Compact design to minimize PCB footprint
- Composite core material delivers superior saturation performance
- RoHS compliant, halogen-free
- Customization is available for special electrical or mechanical requirements



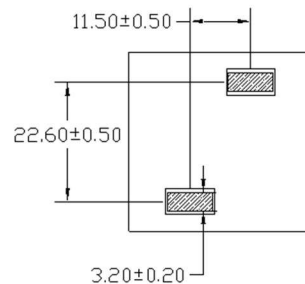
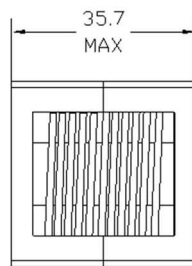
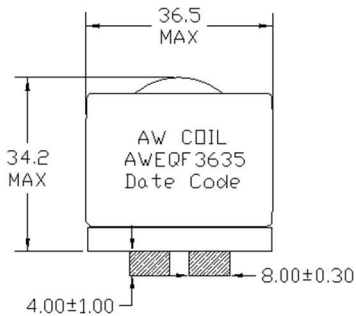
Applications

- High current and work with different mode chokes.
- DC-DC converters, EMI filters, power inverters.
- High-current switching regulators.
- EV charging systems/Solar PV inverters/Energy storage systems (ESS)/Server and telecom power supplies.

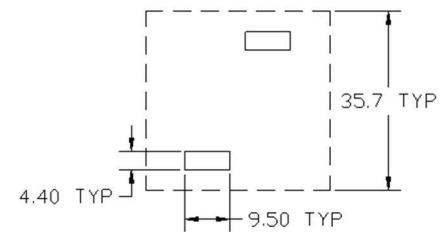
Tailored solutions available for OEMs seeking optimized power magnetics that align with unique system specifications

Mechanical

Dimensions (mm)



Recommended Land Pattern



Specifications AWEQF3635

Part Number	Inductance(μH) ±20%	DCR(mΩ)	DCR(mΩ)	Isat (A) ⁴	Idc (A) ³
		TYP	MAX		
AWEQF3635-3R3M	3.3	0.33	0.36	175	120

Notes:

1. All test data is reference to 25°C ambient
2. Test Condition:100KHz,1.0Vrms
3. Idc: DC current (A) that will cause an approximate ΔT of 50°C
4. Isat : DC current (A) that will cause L0 to drop approximately 30%

Inductance and Temperature Rise vs. DC Current

