

Ultra-High Current Power Inductor AWEQF3231 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

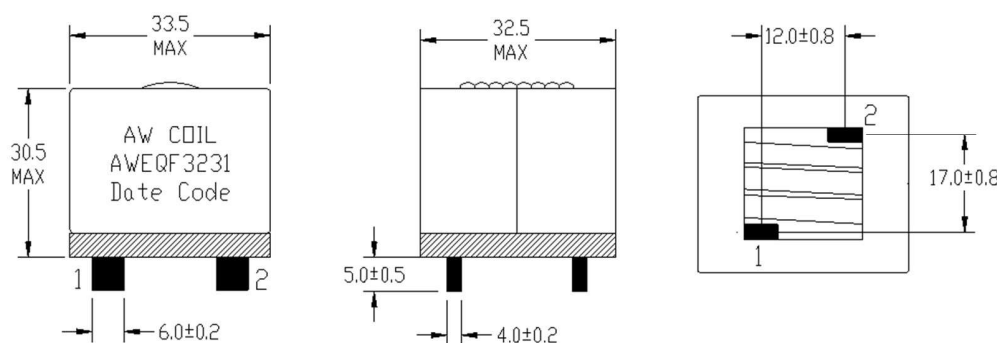
Applications

- 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.

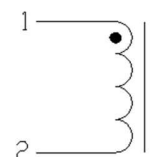
Tailored solutions available for OEMs seeking optimized power magnetics that align with unique system specifications.

Mechanical

Dimensions (mm)



Schematic



Specifications AWEQF

Part Number	Inductance(μH) ±20%	DCR(mΩ)		Isat (A) ⁴	Idc (A) ³
		TYP	MAX		
AWEQF3231-2R0	2.0	0.22	0.30	210	160

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

