

High Current Flat Wire Inductor AWEQF3640 Series

Product features

- High DC bias capability for peak current handling
- Stable inductance across wide temperature range (-55°C to +155°C)
- Magnetically shielded to suppress EMI
- Compact design minimizes PCB footprint
- Composite core material for consistent performance
- RoHS compliant, halogen-free
- Custom options available for enhanced electrical or mechanical requirements



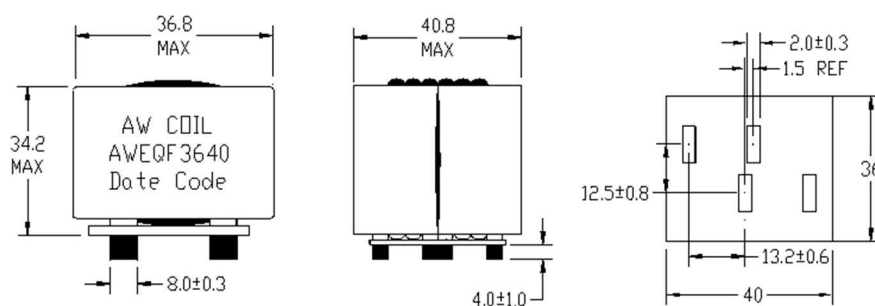
Applications

- High current and work with different mode chokes.
- DC-DC converters, EMI filters, inverters.
- High-current switching regulators.

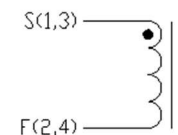
Tailored solutions available for OEMs seeking optimized power magnetics that align with unique system specifications.

Mechanical

Dimensions (mm)



SCHEMATIC



Specifications AWEQF

Part Number	Inductance (μ H) $\pm 20\%$	DCR(m Ω)	DCR(m Ω)	Isat (A)	Idc (A)
		TYP	MAX		
AWEQF3640-3R3	3.3	0.48	0.60	220	180

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

