

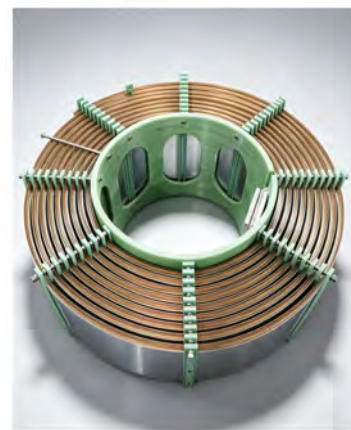
SGAI Series Air-cored Inductor

Samgor's Air-cored Inductor— featuring a distinctive foil winding configuration. Without a magnetic core, it offers high Q factor and excellent linearity, making it ideal for high-frequency resonant circuits, filtering, and impedance matching. To ensure mechanical stability and electrical reliability, we offer two fixing options: Epoxy potting or dedicated insulating fixtures.



KEY ADVANTAGES

- High Withstand Current Capability
- High-Q, Low-loss
- Perfect High-Frequency Performance
- Low Partial Discharge



Application

- High Voltage Filter for Partial Discharge Measurement
- Precise Power Factor Adjustment for Short Circuit Testing
- Current Limiting with Constant Inductance



Technical Data

Inductance Range:

0.01-1000mH



Inductance Tolerance:	±5%
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Rated Current:	Up to 3000A (continues) Up to 100kA (surge)
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Rated Voltage:	Up to 35kV
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Working Frequency:	Up to 500kHz
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Temperature Rise:	Less than 110k
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Mounting Method:	Epoxy / Polyurethane Potting / FR4 Bracket
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Environmental

Temperature:	From -20℃ to 120℃
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Placement:	Indoor
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Standard

IEC 60076-6 IEC 60071 IEC 60865

Contact us

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