

Storage Choke, compact



Approvals and Compliances

Description

- Storage choke
- THT-terminals
- Inductor vertically positioned in housing
- Constant inductance at high alternating field modulation and large DC magnetization
- Reduced magnetic reversal

Applications

- Storage of energy in switched power supplies
- Switch-mode
- Chopper amplifiers
- DC drives and stepper motor controls

Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

Technical Data

| | |
|---------------------------|--------------------------|
| Rated voltage | up to 600VDC |
| Rated Current | 0.6 - 1 A @ Ta 70 °C |
| Rated inductance | 0.04 - 0.1 mH, Tol. ±15% |
| Power Operating Frequency | up to 1 MHz |
| Terminal Type | THT |
| Weight | 1 g |
| Material: Housing | UL 94V-0 |
| Sealing Compound | UL 94V-0 |

| | |
|---------------------------|-------------------------------|
| Isolation Voltage | 2 kV eff., winding to ambient |
| Climatic Category | 40/125/21 acc. to IEC 60068-1 |
| Allowable Operation Temp. | -40°C to 125°C |

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Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)





Application standards

Application standards where the product can be used

| Organization | Design | Standard | Description |
|---|--------------------------------|--------------|---|
|  | Designed for applications acc. | IEC/UL 60950 | IEC 60950-1 includes the basic requirements for the safety of information technology equipment. |

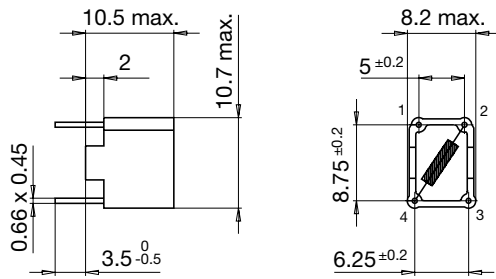
Compliances

The product complies with following Guide Lines

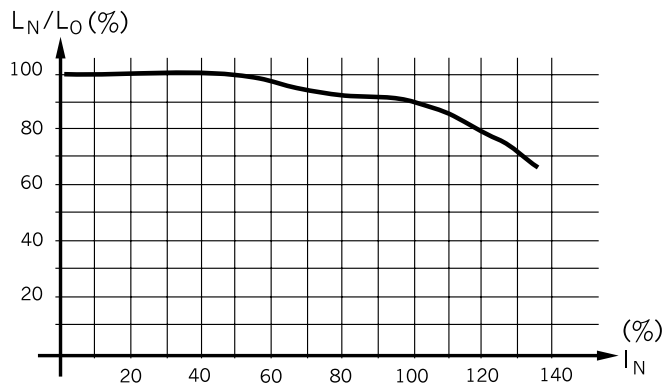
| Identification | Details | Initiator | Description |
|---|--|-------------|---|
|  | CE declaration of conformity | SCHURTER AG | The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008. |
|  | RoHS | SCHURTER AG | EU Directive RoHS 2011/65/EU |
|  | China RoHS | SCHURTER AG | The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS. |
|  | REACH | SCHURTER AG | On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force. |

Dimension [mm]

Case 48-1



Derating Curves



Inductance variation as function of the magnetizing current

All Variants

| I_n [A] | L_n [mH] | R_{cu} [mΩ] | f_{RES} [MHz] | Weight [g] | Housings | Packing unit [pcs.] | Order Number |
|-----------|------------|---------------|-----------------|------------|----------|---------------------|----------------|
| 0.6 | 0.1 | 550 | 11 | 1 g | 48-1 | 1 | DSHP-6148-D6D1 |

Availability for all products can be searched real-time: <https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER>