

Linear Choke, compact



### Description

- Linear choke
- THT-terminals
- Inductor vertically positioned in housing
- SMD version on request

### Standards

- EN 60938

### Applications

- Smoothing RFI suppression choke
- RFI suppression choke
- Chopper amplifiers
- DC drives and stepper motor controls
- Switching power supplies

### Weblinks

[pdf datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

### Technical Data

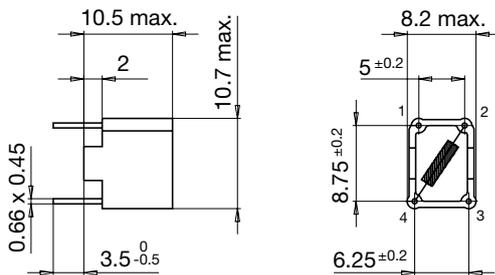
Rated voltage	up to 600 VDC
Rated Current	0.6 - 1 A @ Ta 70 °C
Rated inductance	0.05 - 0.1 mH, Tol. ±15%
Power Operating Frequency	50 - 400 Hz
Terminal Type	THT
Weight	1 g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

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

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

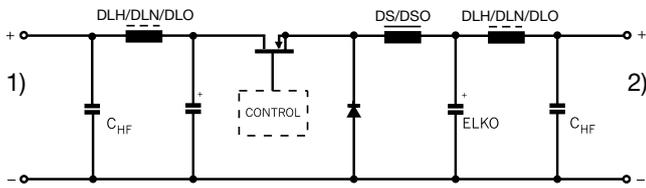
### Dimension

Case 48-1



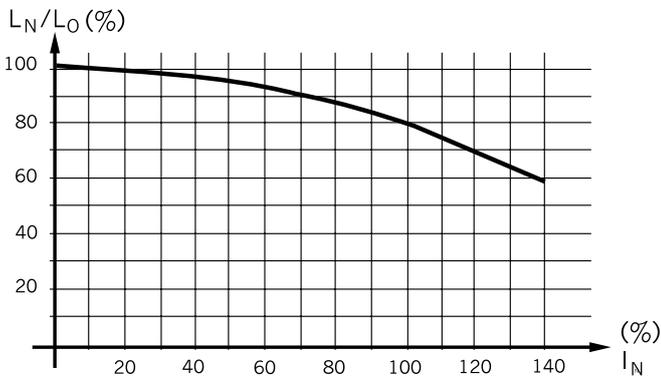
Diagrams

Application in DC-DC Converter



- 1) DC-Input unregulated
- 2) DC-Output regulated

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	600	9	1 g	48-1	176	DLNP-6148-D6D1
1	0.05	280	15	1 g	48-1	176	DLNP-6148-01C5

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