

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](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

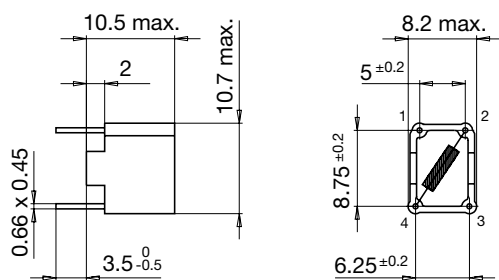
### Technical Data

|                           |                          |
|---------------------------|--------------------------|
| Rated voltage             | up to 600VDC             |
| Rated Current             | 0.6 - 1 A @ Ta 70 °C     |
| Rated inductance          | 0.05 - 0.1 mH, Tol. ±15% |
| Power Operating Frequency | 50 - 400 Hz              |
| Terminal technic          | 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              |

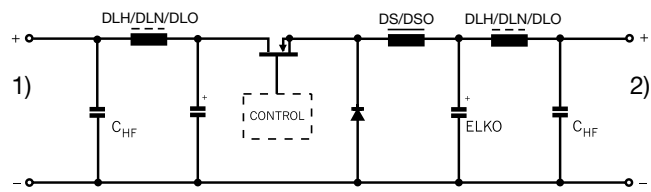
### Dimension

Case 48-1



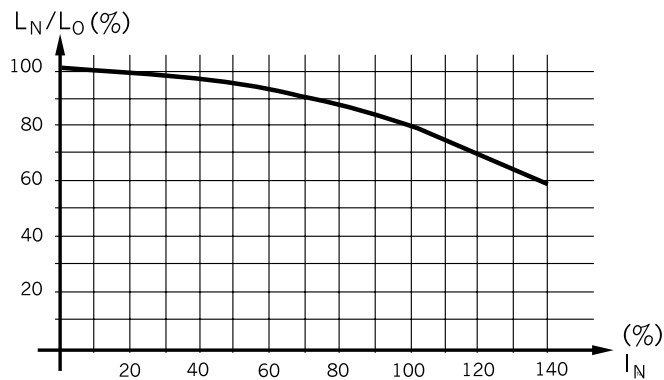
Diagrams

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] | Housing | 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>

# AMEYA360

## Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit [www.ameya360.com](http://www.ameya360.com)

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd  
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email [amall@ameya360.com](mailto:amall@ameya360.com)

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email [service@ameya360.com](mailto:service@ameya360.com)

➤ Partnership :

Tel +86 (21) 64016692-8333

Email [mkt@ameya360.com](mailto:mkt@ameya360.com)