Linear Choke, compact

RoHS COMPLIANT

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

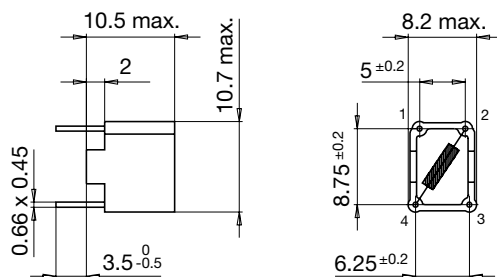|	
Rated voltage	up to 600 VDC
Rated Current	0.6 - 1 A @ Ta 70 °C
Rated inductance	0.05 - 0.1 mH, Tol. ±15%
Power Operating Frequency	50 - 400 Hz
Terminal Type	THT
Weight	1 g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

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
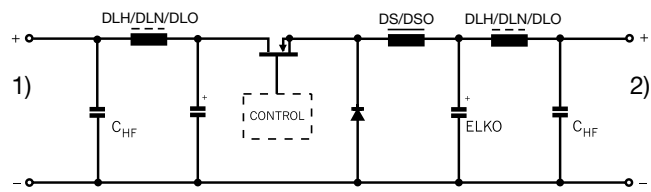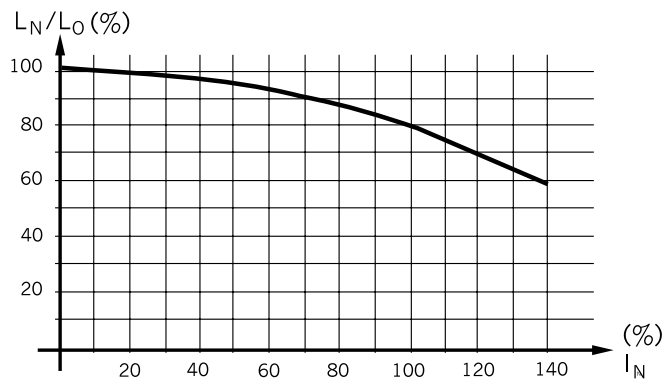
Dimension
Case 48-1

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

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