



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Linear Choke, flat design



Description

- Linear choke
- THT-terminals
- Inductor horizontally 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	0.45 - 7 A @ Ta 70 °C
Rated inductance	0.015 - 3 mH, Tol. ±15%
Power Operating Frequency	up to 20kHz
Terminal Type	THT
Weight	7 - 18g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

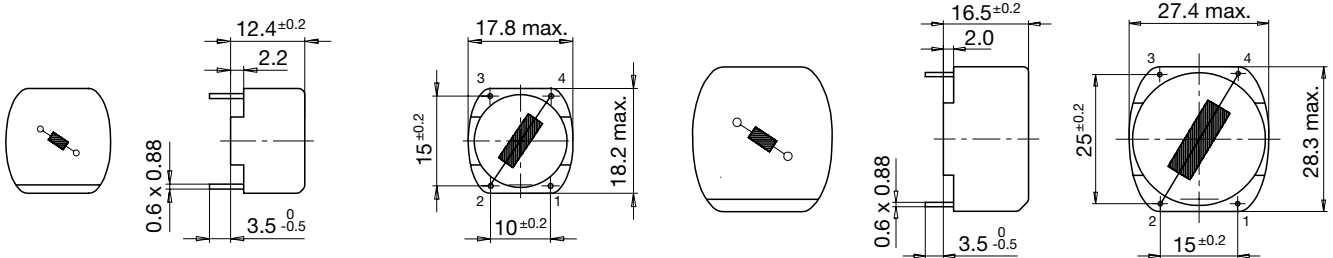
Isolation Voltage	2 kV eff., winding to ambient
Climatic Category	40/125/21 acc. to IEC 60068-1
Allowable Operation Temp.	-40 °C to 125 °C

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

Dimension

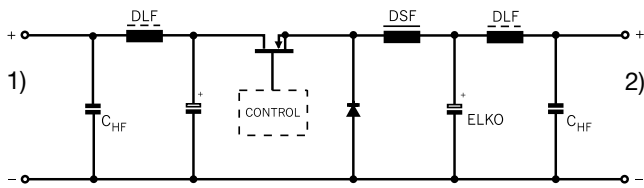
Case 04-1

Case 15-1



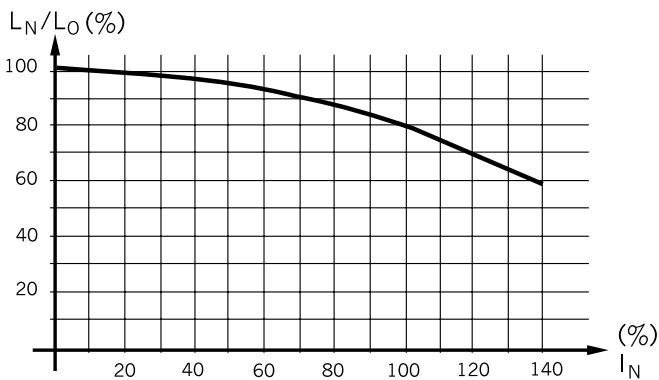
Diagrams

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
0.4	1.5	2150	0.5	7g	04-1	45	DLF-18-0001
0.6	0.65	690	1	7g	04-1	45	DLF-18-0002
1.2	0.17	190	2.8	7g	04-1	45	DLF-18-0003
1.5	0.11	150	8	7g	04-1	45	DLF-18-0004
2	0.06	79	12	7g	04-1	45	DLF-18-0005
4	0.015	17	28	7g	04-1	45	DLF-18-0006
0.45	3	3300	-	18g	15-1	40	DLF-28-0001
0.6	3	1700	0.3	18g	15-1	40	DLF-28-0002
1	1	550	0.8	18g	15-1	40	DLF-28-0003
1.5	0.5	270	1.2	18g	15-1	40	DLF-28-0004
1.8	0.3	180	3.3	18g	15-1	40	DLF-28-0005
3	0.1	70	7.5	18g	15-1	40	DLF-28-0006
4.5	0.05	30.5	-	18g	15-1	40	DLF-28-0007
7	0.02	13	20	18g	15-1	40	DLF-28-0008

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