

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!



Contact us

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

Saturating Choke



Description

- Saturating choke
- THT-terminals
- Based on laminated iron core
- Fully potted resin

Standards

- EN 60938

Applications

- Phase angle control circuits with thyristors, triacs or transistors
- The choke acts at its optimum when it is mounted directly at the interference originator (thyristor, triac)

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 440VAC
Rated Current	0.8 - 10A @ Ta 45 °C
Power Operating Frequency	50/60Hz
Terminal Type	THT, Flexible wire
Weight	14 - 86g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

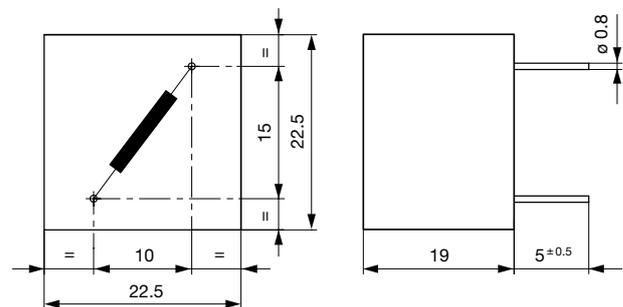
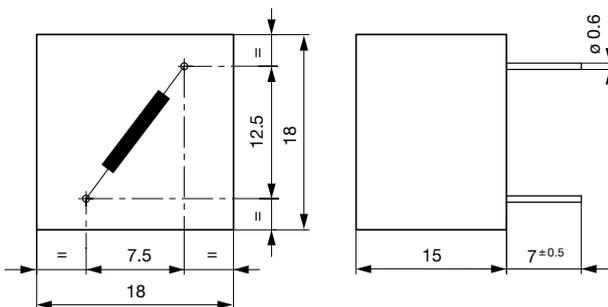
Isolation Voltage	2 kV eff., winding to ambient
Climatic Category	25/100/21 acc. to IEC 60068-1
Allowable Operation Temp.	-25 °C to 100 °C

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

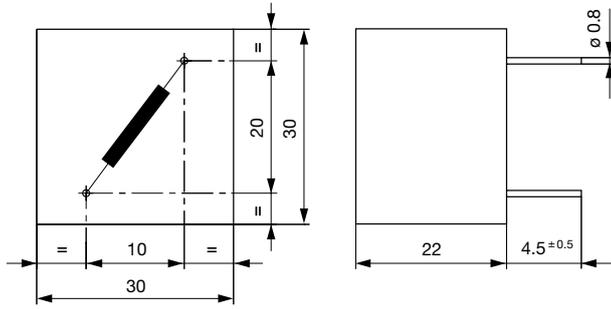
Dimension

Case 00

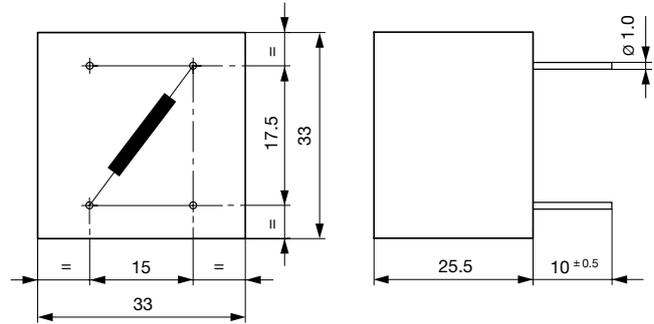
Case 08



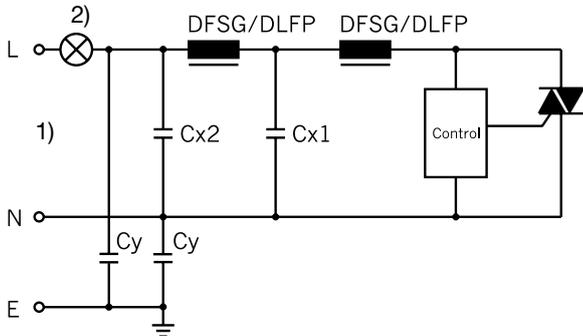
Case 17



Case 21

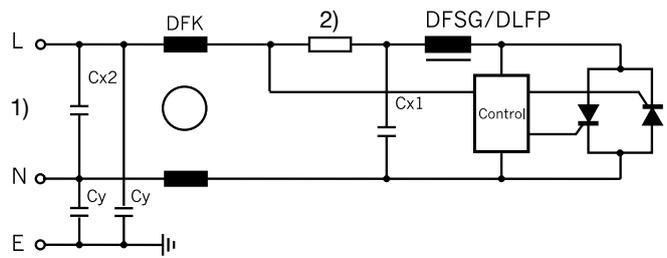


Diagrams



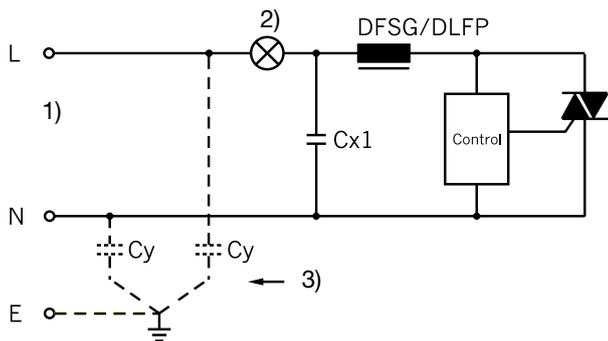
Interference suppression with resistive load, 2-phase

- 1) Line
- 2) Load



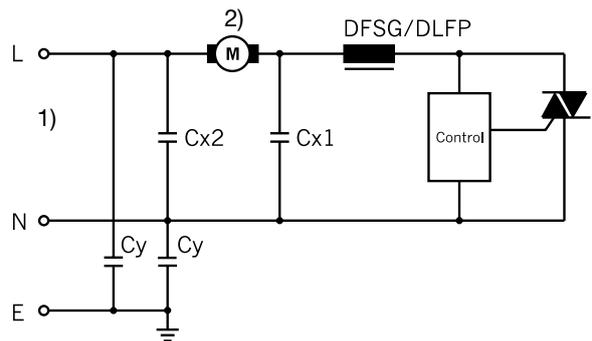
Interference suppression with resistive load, 2-stage

- DFSG: Radio interference suppression saturation choke
- DFK: Radio interference suppression choke magnetically condensated
- 1) Line
- 2) Load



Interference suppression with resistive load, < 10A, e.g. dimmers circuit (DFSG)

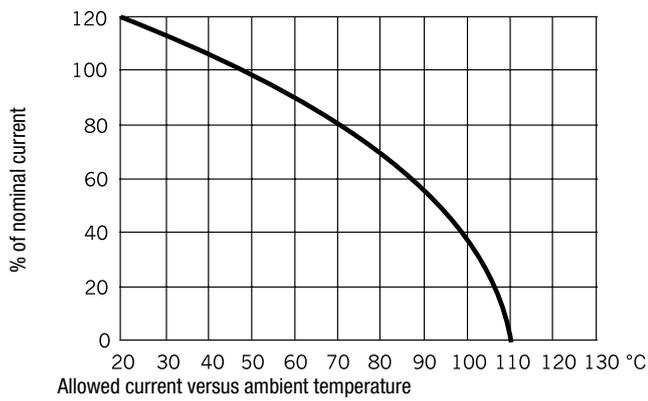
- 1) Line
- 2) Load
- 3) only to protection class I



Interference suppression with inductive load

- 1) Line
- 2) Load

Derating Curves



All Variants

I_n [A]	R_{cu} [mΩ]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
0.8	1300	14g	00	90	DFSG-20-0001
1.5	450	14g	00	90	DFSG-20-0002
2	260	29g	08	25	DFSG-25-0001
3	100	29g	08	25	DFSG-25-0002
3	165	55g	17	30	DFSG-30-0001
6	60	55g	17	30	DFSG-30-0002
5	70	86g	21	30	DFSG-33-0001
10	30	86g	21	30	DFSG-33-0002

■ Most Popular.

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