



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

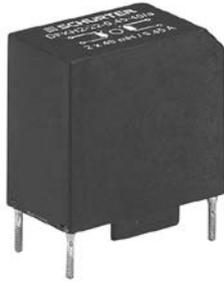
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Magnetically Compensated Choke, 1-phase, high design



**Description**

- Current compensated choke
- 1-phase choke
- THT-terminals
- Inductor vertically positioned in housing

**Standards**

- EN 60938
- UL 1283
- CSA 22.2 no 8

**Applications**

- Attenuation of common mode interferences
- Designed for 230/400 VAC applications
- 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](#), [SPICE Library](#)

**Technical Data**

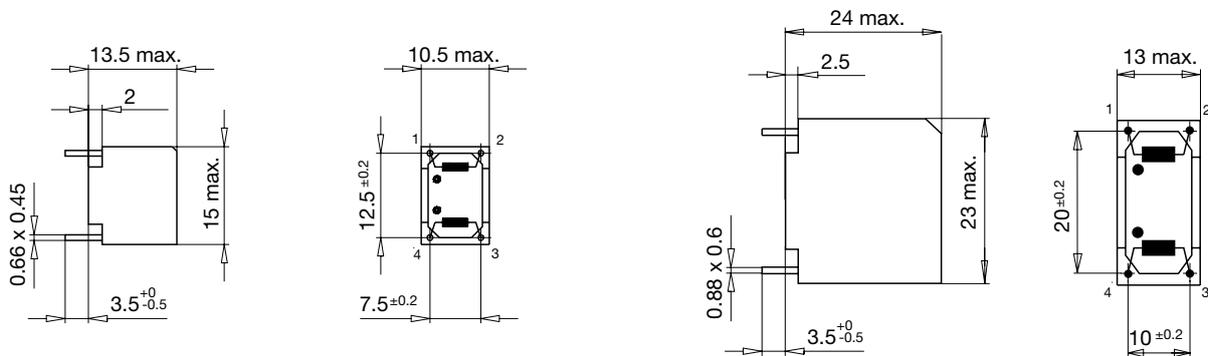
Rated voltage	up to 440 VAC	Test Voltage	1.8kV, 50Hz, 1 min, winding to winding
Rated Current	0.6 - 6.3A @ Ta 40 °C	Isolation Voltage	2kV eff., winding to ambient
Rated inductance	0.6 - 50mH, Tol. -30% +50%	Climatic Category	25/100/21 acc. to IEC 60068-1
Power Operating Frequency	50 - 400 Hz	Allowable Operation Temp.	-25°C to 100°C
Terminal Type	THT		
Weight	3 - 30g		
Material: Housing	UL 94V-0		
Sealing Compound	UL 94V-0		

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

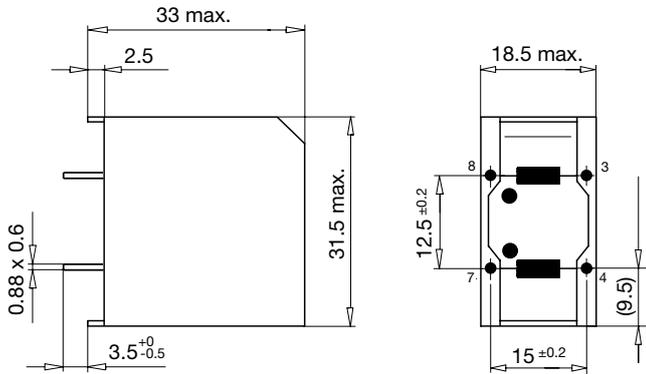
**Dimension**

Case 50-2, 51-2, 52-2

Case 09-2

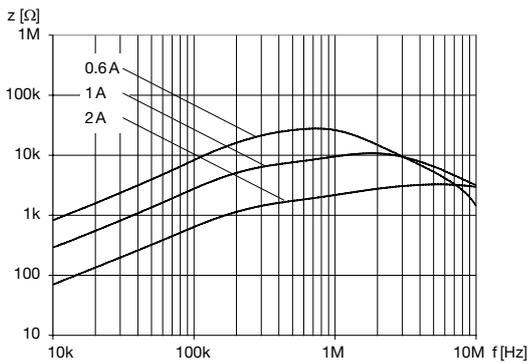


Case 19-2

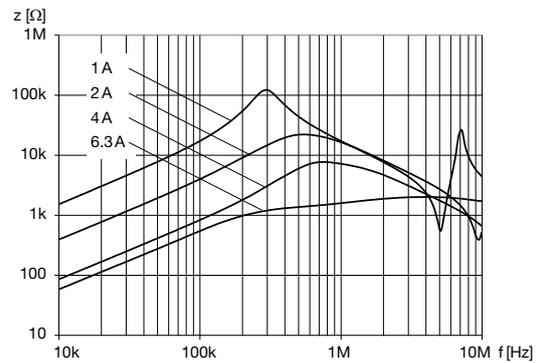


Impedance curves

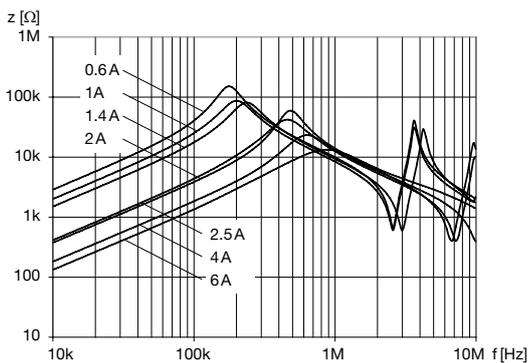
DFKH-14-xxxx



DFKH-22-xxxx



DFKH-31-xxxx



All Variants

$I_n$ [A]	$L_n$ [mH]	$R_{cu}$ [mΩ]	Power <sub>loss</sub> [W]	$f_{RES}$ [MHz]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
0.6	11	600	0.5	0.5	3g	50-2	100	DFKH-14-0001
0.6	50	1200	0.9	0.15	22g	19-2	70	DFKH-31-0001
1	20	500	1	0.25	10g	09-2	50	DFKH-22-0002
1	33	700	1.4	0.25	30g	19-2	70	DFKH-31-0002
1	4	250	0.5	1.2	3g	51-2	100	DFKH-14-0002
1.4	27	470	1.8	0.3	30g	19-2	70	DFKH-31-0003
2	1	65	0.5	2.5	3g	52-2	100	DFKH-14-0003

$I_n$ [A]	$L_n$ [mH]	$R_{cu}$ [mΩ]	Power <sub>loss</sub> [W]	$f_{RES}$ [MHz]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
2	6	150	1.3	0.6	10 g	09-2	50	DFKH-22-0003
2	6.8	150	1.2	0.5	30 g	19-2	70	DFKH-31-0005
2.5	5.6	110	-	-	30 g	19-2	70	DFKH-31-0006
4	1.5	36	1.2	1.5	10 g	09-2	50	DFKH-22-0004
4	3.3	58	1.8	0.8	30 g	19-2	70	DFKH-31-0007
6	2	24	1.8	1.2	30 g	19-2	70	DFKH-31-0008
6.3	0.6	15	1.4	2.5	10 g	09-2	50	DFKH-22-0005

Most Popular.

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