



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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Magnetically Compensated SMD Choke, compact



Description

- Current compensated choke
- SMD-terminals
- Vertical and horizontal version

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](#)

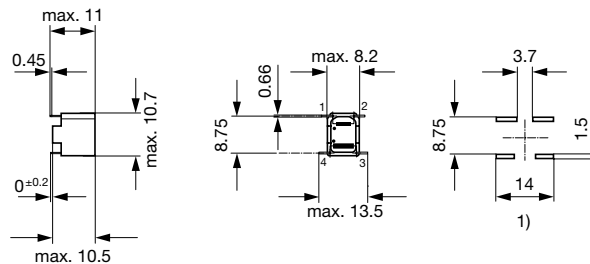
Technical Data

Rated voltage	up to 250 VAC	Test Voltage	1.5kV, 50Hz, 1 min, winding to winding
Rated Current	0.4 - 4 A @ Ta 40 °C	Isolation Voltage	2kV eff., winding to ambient
Rated inductance	0.5 - 39mH, Tol. -30% +50%	Climatic Category	25/100/21 acc. to IEC 60068-1
Power Operating Frequency	50 - 400Hz	Allowable Operation Temp.	-25°C to 100°C
Terminal Type	SMD		
Weight	2 - 6g		
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](#)

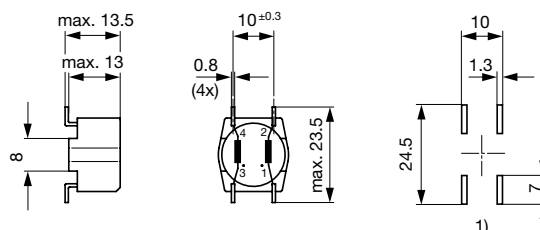
Dimension

Case 48-2S (SMD-Version)



1) Possible solder land pattern

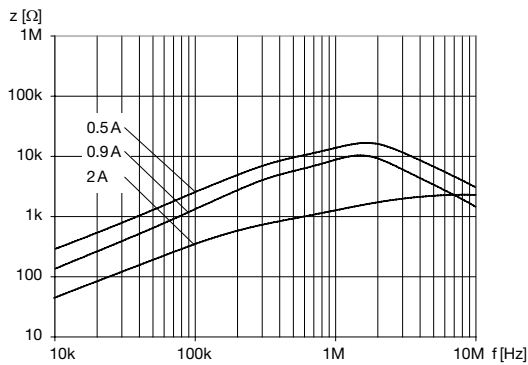
Case 2B



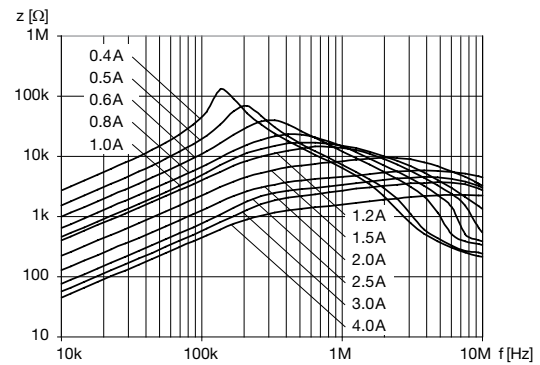
1) Possible solder land pattern

Impedance curves

DKFS-6248-xxxx



DKFS-B22B-xxxx



All Variants

I_n [A]	L_n [mH]	R_{cu} [mΩ]	Power _{loss} [W]	f_{RES} [MHz]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
0.4	39	1286	0.2	0.15	6 g	2B	100	DKFS-B22B-D439
0.5	27	841	0.21	0.2	6 g	2B	100	DKFS-B22B-D527
0.5	4	500	0.25	1.2	2 g	48-2S	176	DKFS-6248-D504
0.6	15	453	0.16	0.35	6 g	2B	100	DKFS-B22B-D615
0.8	10	336	0.22	0.45	6 g	2B	45	DKFS-B22B-D810
0.9	2	240	0.39	1.6	2 g	48-2S	176	DKFS-6248-0102
1	8.2	269	0.27	0.55	6 g	2B	45	DKFS-B22B-0J2Q
1.2	6.8	219	0.32	0.6	6 g	2B	45	DKFS-B22B-1K6Q
1.5	3.3	122	0.28	1.8	6 g	2B	45	DKFS-B22B-1N3L
2	0.5	50	0.4	4.5	2 g	48-2S	176	DKFS-6248-02D5
2	1.8	57	0.23	3	6 g	2B	45	DKFS-B22B-021Q
2.5	1.5	41	0.26	4.5	6 g	2B	45	DKFS-B22B-5K5J
3	1.2	30	0.27	5	6 g	2B	45	DKFS-B22B-0L2J
4	0.7	18	0.29	6.5	6 g	2B	45	DKFS-B22B-04D7

Most Popular.

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

Standard packaging carton box, tape and reel packaging on request