

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](#), [e-Shop](#), [SCHURTER-Stock-Check](#), [Distributor-Stock-Check](#), [Detailed request for product](#), [SPICE Library](#)

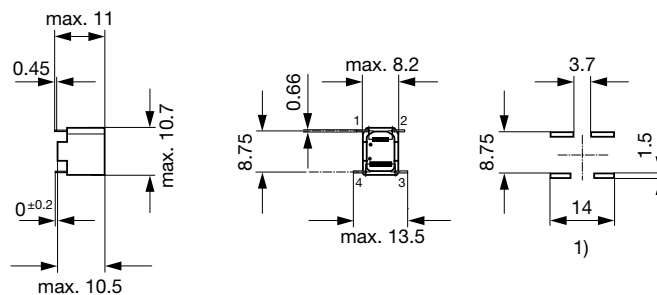
Technical Data

Rated voltage	up to 250 VAC
Rated Current	0.4 - 4 A @ Ta 40 °C
Rated inductance	0.5 - 39mH, Tol. -30% +50%
Power Operating Frequency	50 - 400Hz
Terminal technic	SMD
Weight	1 - 6g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

Test Voltage	1.5 kV, 50Hz, 1 min, winding to winding
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

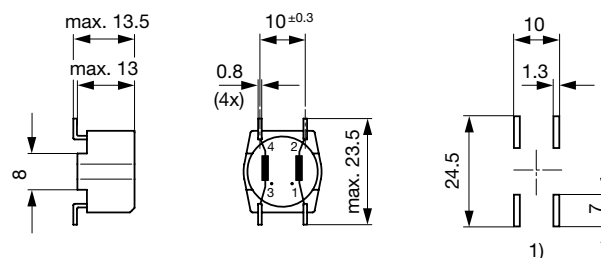
Dimensions

Case 48-2S (SMD-Version)



1) Possible solder land pattern

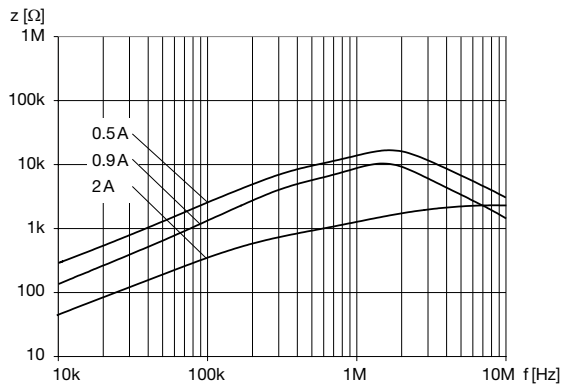
Case 2B



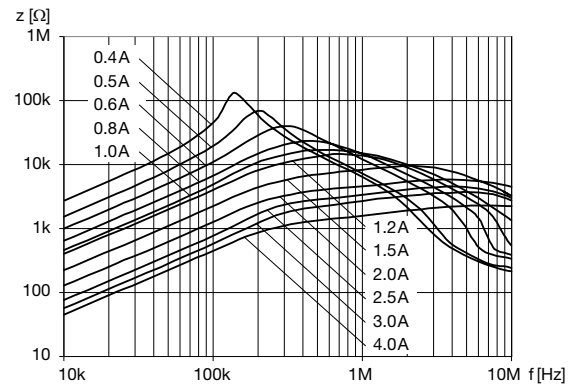
1) Possible solder land pattern

Impedance curves

DKFS-6248-xxxx



DKFS-B22B-xxxx



Variants

I_n [A]	L_n [mH]	R_{cu} [mΩ]	Tripped Power Dissipation [W]	f_{RES} [MHz]	Weight [g]	Housing	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	6 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	6 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	6 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