Magnetically Compensated SMD Choke, compact

Approvals and Compliances

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

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, 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 - 39 mH, Tol. -30% +50%
Power Operating Frequency	50 - 400 Hz
Terminal Type	SMD
Weight	2 - 6 g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

Test Voltage	1.5 kV, 50 Hz, 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

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

Approvals

The approval mark is used by the testing authorities to certify compliance with the safety requirements placed on electronic products.

Approval Reference Type: DKFS

Approval Logo	Certificates	Certification Body	Description
c UL us	UL Approvals	UL	UL File Number:

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
IEC	Designed for applications acc.	IEC/UL 60950	IEC 60950-1 includes the basic requirements for the safety of information technologyequipment.

Compliances

The product complies with following Guide Lines

Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
RoHS	RoHS	SCHURTER AG	EU Directive RoHS 2011/65/EU
	China RoHS	SCHURTER AG	The law SJ / T 11363-2006 (China RoHS) has been in force since 1 March 2007. It is similar to the EU directive RoHS.
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

Dimension [mm]

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:https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

Standard packaging carton box, tape and reel packaging on request

30.11.2017

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