Magnetically Compensated Choke, 1-phase, flat design



Description
- Current compensated choke
- 1-phase choke
- THT-terminals
- Inductor horizontally positioned in housing
- SMD version on request

Standards
- EN 60938
- UL 1283
- CSA 22.2 no 8

Approvals
- Approval Reference Type: DFKF2

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

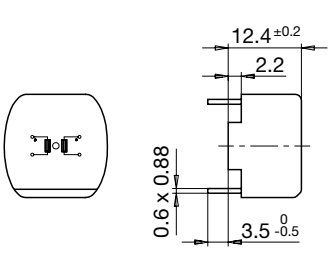
Technical Data

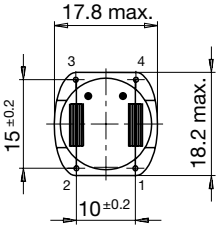
Rated voltage	up to 440 VAC
Rated Current	0.4 - 6.3 A @ Ta 40 °C
Rated inductance	0.6 - 40 mH, Tol. -30% +50%
Power Operating Frequency	50 - 400 Hz
Terminal Type	THT
Weight	5 - 16 g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

Test Voltage	1.8 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

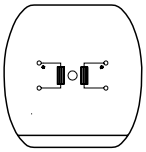
Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in General Product Information

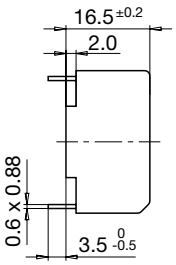
Dimension
Case 04-2

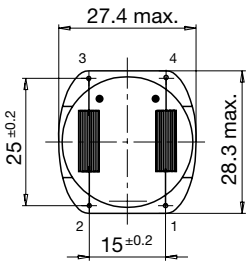




Case 15-2

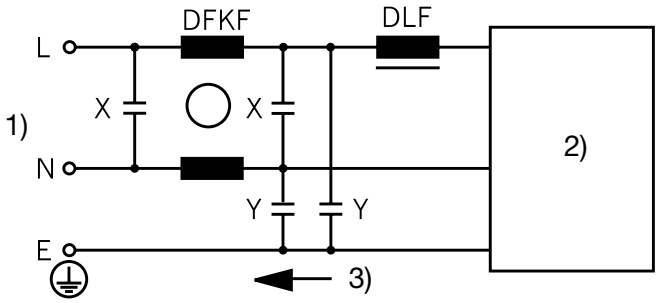






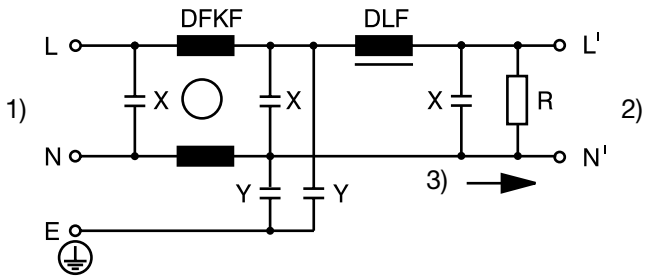
Diagrams

RFI suppression of switching power supply



1) Power line
2) Switching Power Supply
3) Interference current

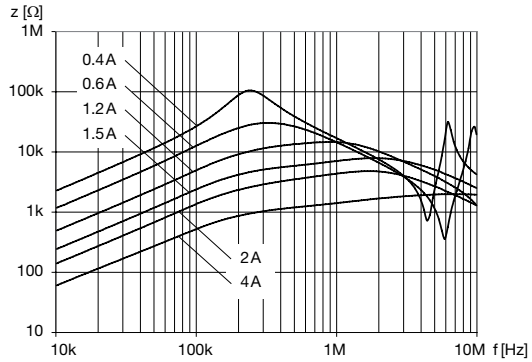
Noise suppression filter



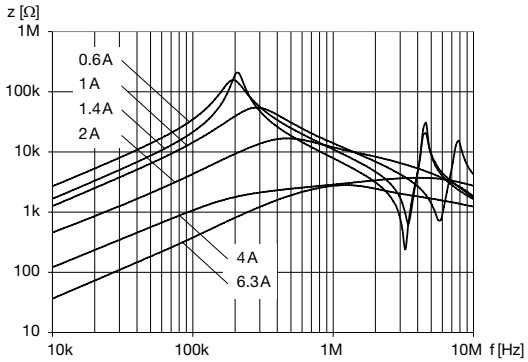
1) Power line
2) Equipment
3) Interference current

Impedance curves

DFKF-18-xxxx



DFKF-28-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	40	1200	0.4	0.11	5 g	04-2	48	DFKF-18-0001	▮
0.6	40	1000	0.7	0.2	16 g	15-2	40	DFKF-28-0001	
1	20	360	0.7	0.28	16 g	15-2	40	DFKF-28-0002	
1.2	6.8	200	0.6	0.45	5 g	04-2	45	DFKF-18-0003	▮
1.4	27	310	-	-	16 g	15-2	40	DFKF-28-0003	
1.5	3.3	110	0.5	1.2	5 g	04-2	45	DFKF-18-0004	
2	1.8	60	-	-	5 g	04-2	45	DFKF-18-0005	
2	6	100	0.8	0.3	16 g	15-2	40	DFKF-28-0004	
4	0.7	16	0.5	2.5	5 g	04-2	45	DFKF-18-0006	▮
4	1.5	28	0.9	1.3	16 g	15-2	40	DFKF-28-0005	
6.3	0.6	13	1	2.5	16 g	15-2	40	DFKF-28-0006	▮

▮ Most Popular.

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

02.06.2017

The specifications, descriptions and illustrations indicated in this document are based on current information. All content is subject to modifications and amendments. Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability and test each product selected for their own applications.