

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Schurter](#)  
[DFK-48-0008](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

Magnetically Compensated Choke, 1- and 3-phase



### Description

- Current compensated choke
- 1- or 3-phase choke
- THT terminals or wire leads
- Flange for mounting onto printed circuit board
- Fully potted resign

### Standards

- EN 60938
- UL 1283
- CSA 22.2 no 8

### Technical Data

Rated voltage	up to 440 VAC
Rated Current	0.5 - 15 A @ Ta 40 °C
Rated inductance	1 - 20 mH, Tol. -30% +50%
Power Operating Frequency	50 - 400 Hz
Terminal Type	THT, Flexible wire
Weight	6 - 163 g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

### Applications

- Attenuation of common mode interferences
- May also be used in direct current applications where magnetic compensation is required
- Designed for 230/400 VAC applications

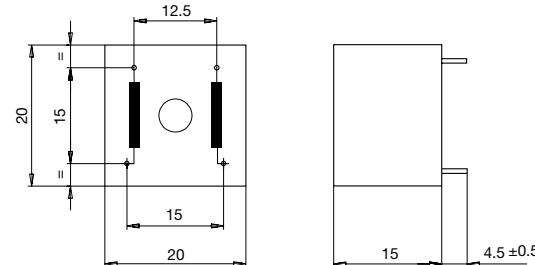
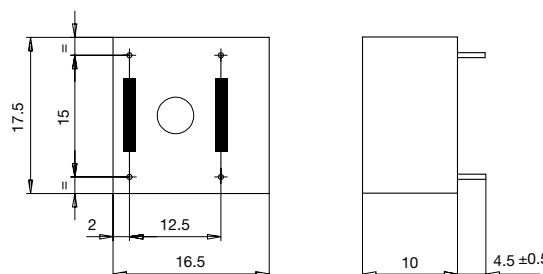
### Weblinks

[pdf-datasheet](#), [html-datasheet](#), [General Product Information](#), [Approvals](#), [CE declaration of conformity](#), [RoHS](#), [CHINA-RoHS](#), [REACH](#), [Distributor-Stock-Check](#), [Detailed request for product](#)

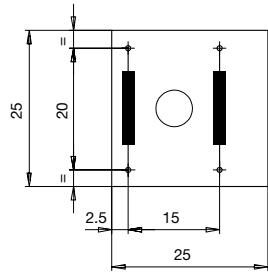
### Dimension

Case 03

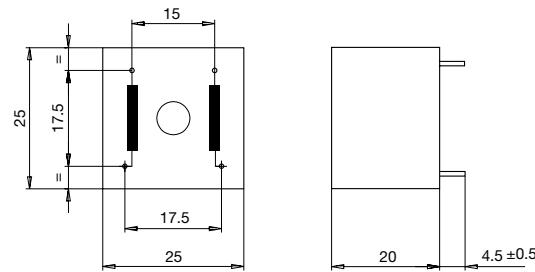
Case 07



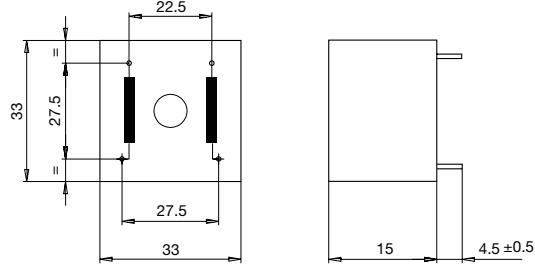
Case 11



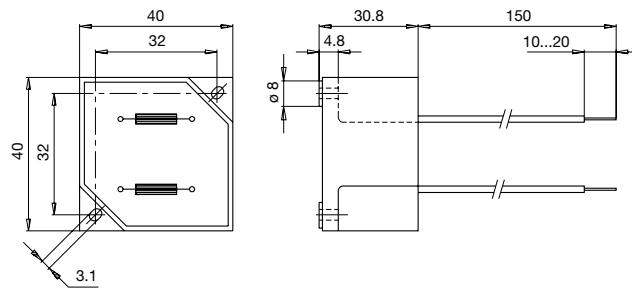
Case 12



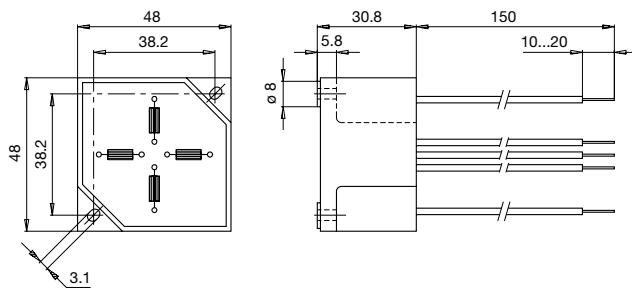
Case 20



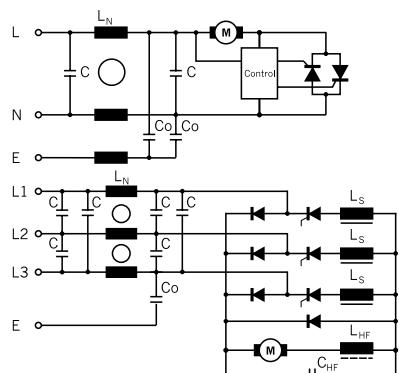
Case 25-2



Case 29-4



## Diagrams

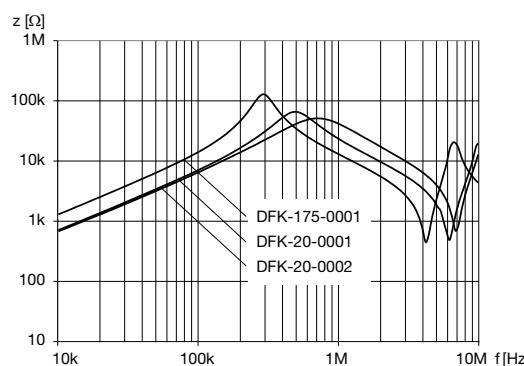


$L_N$ : Radio interference suppression choke (magnetically compensated DF)

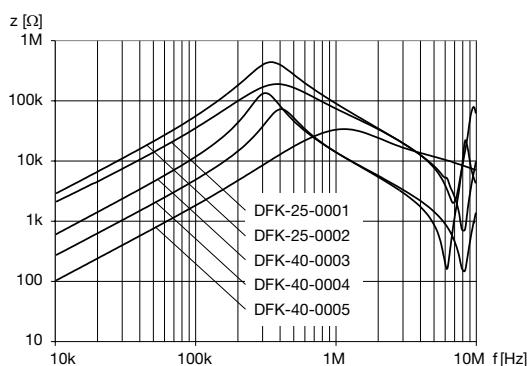
$L_S$ : Radio interference suppression choke (magnetically saturated DFS/DFL)

## Impedance curves

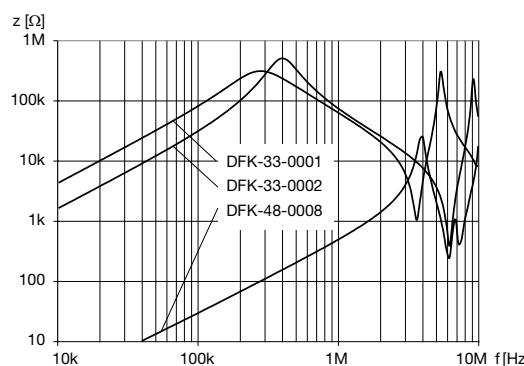
DFK-175-xxxx, DFK-20-xxxx



DFK-25-xxxx, DFK-40-xxxx



DFK-33-xxxx, DFK-48-xxxx



## All Variants

$I_n$ [A]	$L_n$ [mH]	$R_{cu}$ [ $m\Omega$ ]	$f_{RES}$ [MHz]	Copper ø [mm]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
0.5	10	900	0.5	0.5	6g	03	100	<a href="#">DFK-175-0001</a>
1	10	500	0.7	0.6	12g	07	150	<a href="#">DFK-20-0001</a>
1	20	500	0.5	0.6	12g	07	150	<a href="#">DFK-20-0002</a>
1	10	510	0.5	0.6	18g	11	50	<a href="#">DFK-25-0001</a>
2	10	250	0.5	0.6	18g	12	50	<a href="#">DFK-25-0002</a>
2	20	250	0.3	0.6	37g	20	45	<a href="#">DFK-33-0001</a>
3	10	150	0.38	0.6	37g	20	45	<a href="#">DFK-33-0002</a>
6	4	27	0.4	-	127g	25-2	10	<a href="#">DFK-40-0003</a>
10	2	9	1.45	-	127g	25-2	10	<a href="#">DFK-40-0004</a>
15	1	10	1.45	2.5 x 2.5	127g	25-2	10	<a href="#">DFK-40-0005</a>
6	4 x 1.5	20	0.2	1.5 x 1.5	163g	29-4	10	<a href="#">DFK-48-0008</a>

I <sub>n</sub> [A]	L <sub>n</sub> [mH]	R <sub>cu</sub> [mΩ]	f <sub>RES</sub> [MHz]	Copper ø [mm]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
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Availability for all products can be searched real-time:<http://www.schurter.com/Stock-Check/Stock-Check-SCHURTER>