



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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Compensated High Current Choke, 1-phase



Description

- Current compensated choke
- 1-phase choke
- THT-terminals
- Flange for mounting onto printed circuit board
- Fully potted resin

Standards

- EN 60938
- UL 1283
- CSA 22.2 no 8

Applications

- Placed in front of frequency converter
- Stepper motor drives
- UPS-systems
- Inverter

Weblinks

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

Technical Data

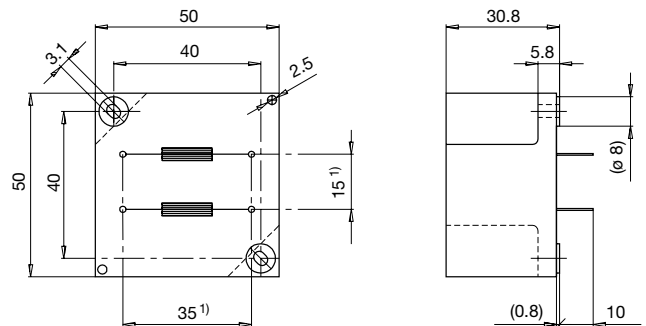
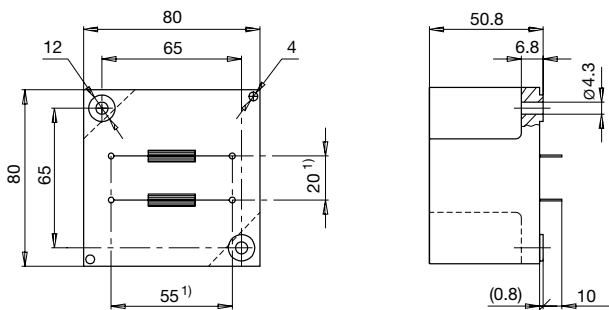
Rated voltage	up to 540 VAC	Test Voltage	2.5kV, 50Hz, 2 sec, winding to winding
	up to 760 VDC	Isolation Voltage	2.5kV eff., 50Hz, 2sec, winding to ambient
Rated Current	10 - 20A @ Ta 40 °C	Climatic Category	25/100/21 acc. to IEC 60068-1
Rated inductance	1.1 - 12mH, Tol. -30% +50%	Allowable Operation Temp.	-25 °C to 100 °C
Power Operating Frequency	50 - 400Hz		
Terminal Type	THT		
Weight	145 - 525g		
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 31-2P

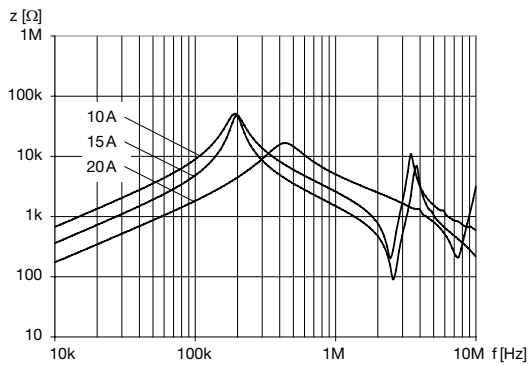
Case 46-2P



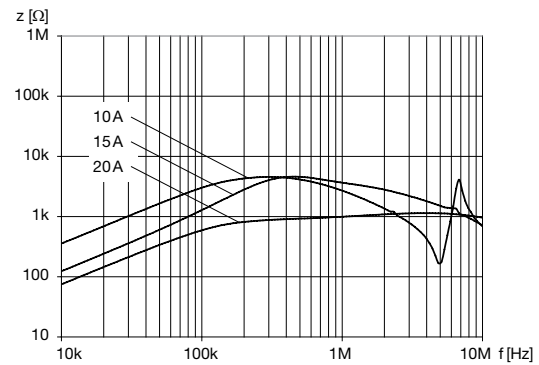
1) Spacing given at pin base

Impedance curves

DKIL-0231-xxxx



DKIL-0246-xxxx



All Variants

I_n [A]	L_n [mH]	R_{Cu} [m Ω]	Power _{loss} [W]	f_{RES} [MHz]	Copper ϕ [mm]	Weight [g]	Housings	Packing unit [pcs.]	Order Number
10	12	40	8	0.15	1.25	477 g	31-2P	2	DKIL-0231-1012
15	5	17	7.6	0.33	1.6	525 g	31-2P	2	DKIL-0231-1505
20	3	10	8	0.55	1.8	506 g	31-2P	2	DKIL-0231-2003
10	5	18	3.6	0.35	1.25	145 g	46-2P	10	DKIL-0246-1005
15	2	8	3.6	0.6	1.6	145 g	46-2P	10	DKIL-0246-1502
20	1.1	6	4.8	2.5	1.8	145 g	46-2P	10	DKIL-0246-2001

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