Storage Choke, fully potted resign

See below:
Approvals and Compliances

Description

- Storage choke
- THT-terminals
- Reduced magnetic reversal
- Constant inductance at high alternating field modulation and large DC magnetization
- Constant inductance at high alternating field modulation and large DC magnetization
- Fully potted resign

Applications

- Storage of energy in switched power supplies
- Switch-mode
- Chopper amplifiers
- DC drives and stepper motor controls

Weblinks

pdf data sheet, html datasheet, General Product Information, Approvals, Distributor-Stock-Check, Detailed request for product, SPICE Library

Technical Data

Rated voltage	up to 600 VDC
Rated Current	0.5 - 16 A @ Ta 70 °C
Rated inductance	0.01 - 1 mH, Tol. ±15%
Power Operating Frequency	up to 1 MHz
Terminal Type	THT
Weight	7 - 243 g
Material: Housing	UL 94V-0
Sealing Compound	UL 94V-0

Isolation Voltage	2 kV eff., winding to ambient
Climatic Category	40/125/21 acc. to IEC 60068-1
Allowable Operation Temp.	-40 °C to 125 °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

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
IEC	Designed for applications acc.	IEC/UL 62368-1	IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment.

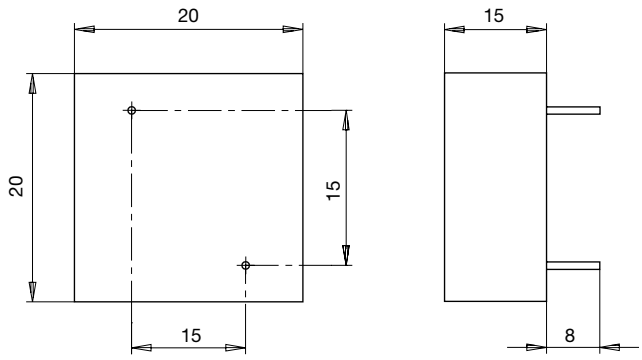
Compliances

The product complies with following Guide Lines

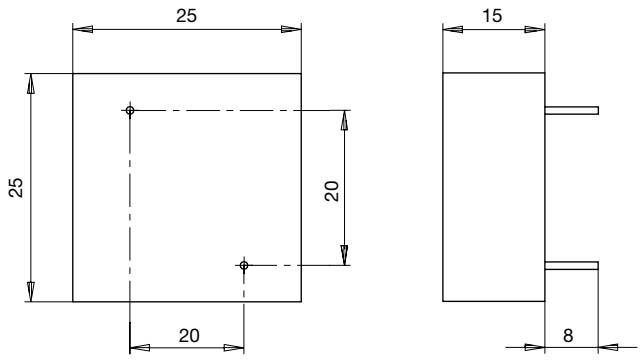
Identification	Details	Initiator	Description
CE	CE declaration of conformity	SCHURTER AG	The CE marking declares that the product complies with the applicable requirements laid down in the harmonisation of Community legislation on its affixing in accordance with EU Regulation 765/2008.
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
	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]

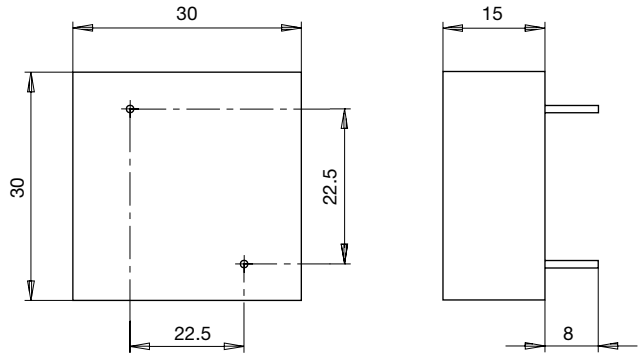
Case 20



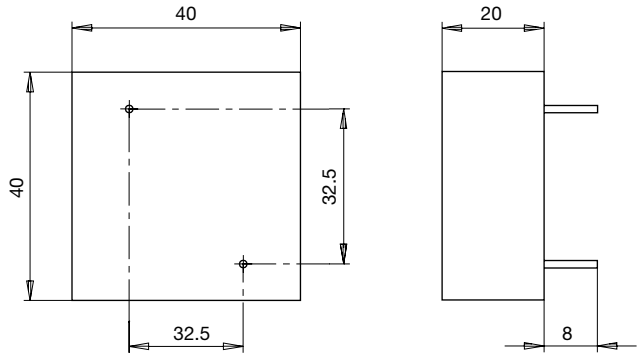
Case 25



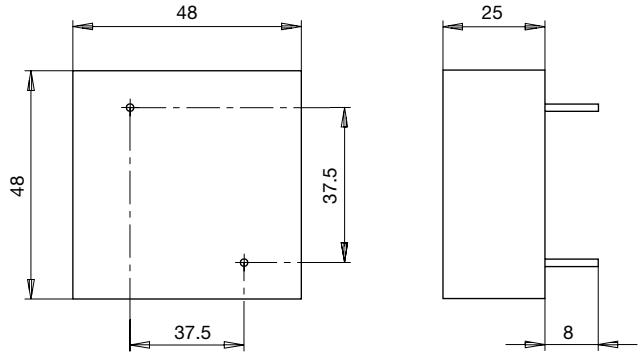
Case 30



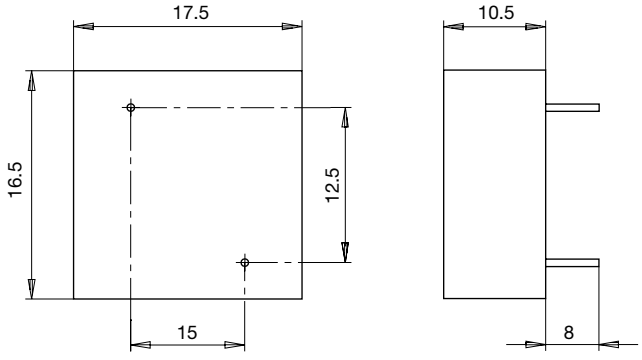
Case 40



Case 48

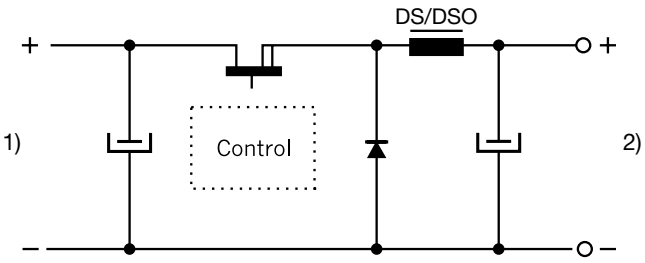


Case 175



Diagrams

Switch-mode



1) Input
2) DC output regulated

All Variants

I_n [A]	L_n [mH]	R_{cu} [mΩ]	f_{RES} [MHz]	Connec-tion pins ø	Weight [g]	Housings	Packing unit [pcs.]	Order Number	
0.5	0.8	700	2	0.5	7 g	175	100	DS1-175-0001	■
0.63	0.5	500	2.5	0.5	7 g	175	100	DS1-175-0002	■
1	0.2	180	5	0.5	7 g	175	100	DS1-175-0003	■
1.4	0.1	80	6.5	0.5	7 g	175	100	DS1-175-0004	
3	0.035	26	11	0.5	7 g	175	100	DS1-175-0005	■
0.63	1	700	1.2	0.5	14 g	20	75	DS1-20-0001	
1.4	0.2	175	4	0.5	14 g	20	75	DS1-20-0002	
3.15	0.04	26	10	0.7	14 g	20	75	DS1-20-0003	
6.3	0.01	8	-	0.7	14 g	20	75	DS1-20-0004	
1.4	0.5	200	1	1	23 g	25	50	DS1-25-0001	■
2	0.2	100	3.5	1	23 g	25	50	DS1-25-0002	
3.15	0.1	40	5.7	1	23 g	25	50	DS1-25-0003	
7	0.02	10	-	1	23 g	25	50	DS1-25-0004	
1.6	0.5	200	-	1	34 g	30	30	DS1-30-0001	
2	0.3	140	-	1	34 g	30	30	DS1-30-0002	
3.15	0.15	55	4.5	1	34 g	30	30	DS1-30-0003	■
4	0.1	36	6	1	34 g	30	30	DS1-30-0004	
2	1	190	-	1.5	84 g	40	35	DS1-40-0001	
3.15	0.5	90	-	1.5	85 g	40	35	DS1-40-0002	
4	0.2	55	3	1.5	84 g	40	35	DS1-40-0003	
6	0.1	26	4.5	1.5	84 g	40	35	DS1-40-0004	
3.15	1	160	1	1.5	243 g	48	20	DS1-48-0001	
4	0.5	80	1.5	1.5	243 g	48	20	DS1-48-0002	
5	0.3	75	-	1.5	243 g	48	20	DS1-48-0003	
9	0.1	20	-	1.5	243 g	48	20	DS1-48-0004	
15	0.035	7	-	1.5	243 g	48	20	DS1-48-0005	
16	0.16	12	-	1.5	243 g	48	10	DS1-48-0006	

■ Most Popular.

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

12.05.2020

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.

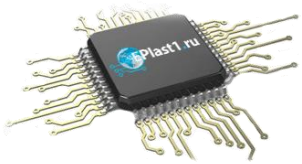
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.