

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

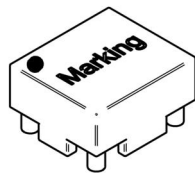
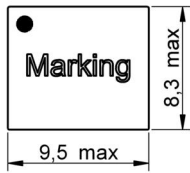
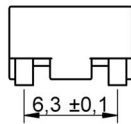
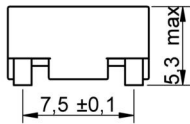
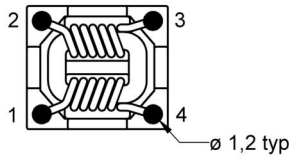
744273801

Würth Electronics

Common Mode Chokes / Filters WE-SL5 HC SMD LnFltr 9uH
3500mA 100kHz

Any questions, please feel free to contact us.
info@kaimte.com

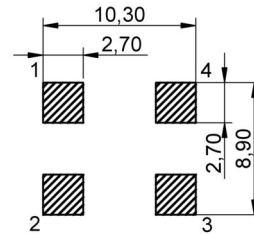
A Dimensions: [mm]



Scale 2:1

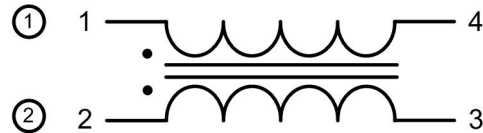
Reference on drawing	Description
•	Pin 1
Marking	801 (Impedance Code)

B Recommended land pattern: [mm]



Scale 2:1

C Schematic:



D Electrical

Properties
Inductance
Impedance
Rated current
DC Resistance
Leakage inductance
Insulation test voltage
Rated voltage

E General information

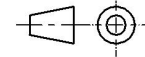
It is recommended to use the component under worst case conditions:

- Ambient temperature
- Operating temperature
- Storage temperature
- Test conditions

if not specified

4.12	2015-08-06	KaS	SBa
4.11	2014-09-08	SSt	SBa
4.10	2014-07-15	SSt	SSt
4.9	2014-05-12	SSt	SSt
4.8	2014-03-04	SSt	SBa
4.7	2014-01-07	SSt	SSt
4.6	2013-04-24	SSt	SSt
REV	DATE	BY	CHECKED

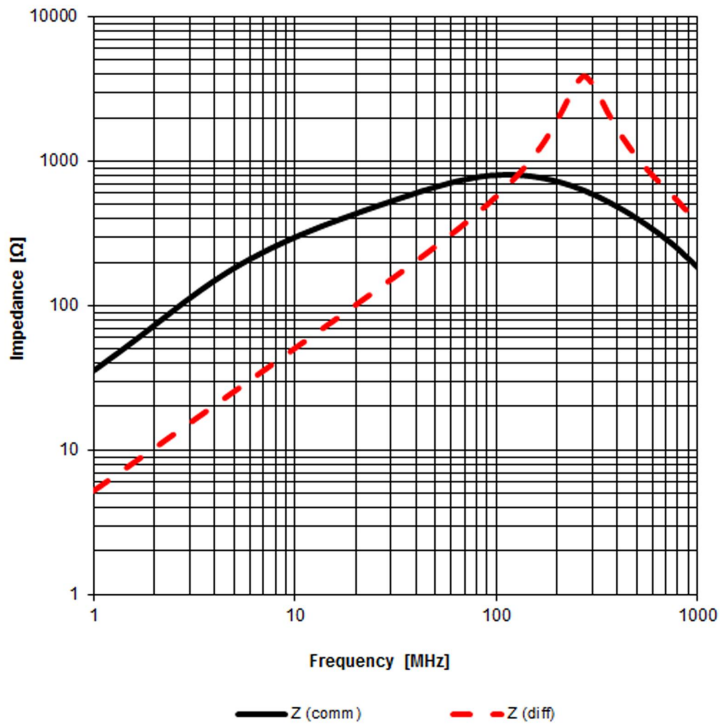
Projection



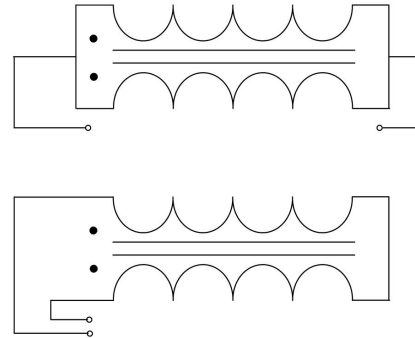
Würth Elektronik eiSos GmbH & Co. KG
EMC & Inductive Solutions
Max-Eyth-Str. 1
74638 Waldenburg
Germany
Tel. +49 (0) 79 42 945 - 0
www.we-online.com
eiSos@we-online.com

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F1 Typical Impedance Characteristics:



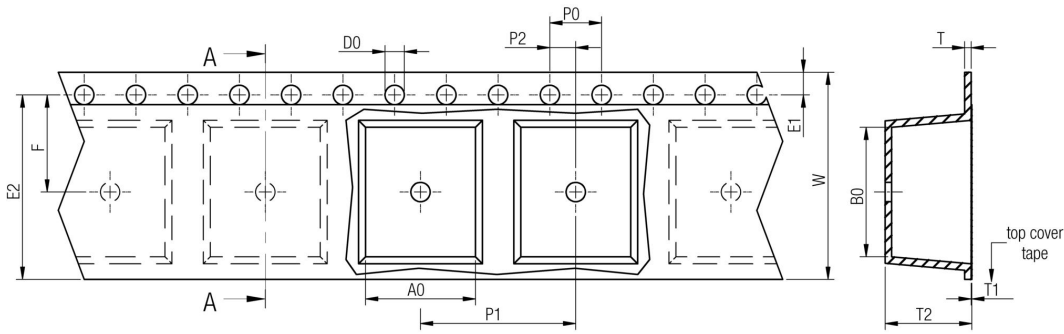
Test Setup:



REV	DATE	BY	CHECKED	Projection	DES
4.12	2015-08-06	KaS	SBa		W
4.11	2014-09-08	SSt	SBa		Ord
4.10	2014-07-15	SSt	SSt	Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com	7
4.9	2014-05-12	SSt	SSt		
4.8	2014-03-04	SSt	SBa		
4.7	2014-01-07	SSt	SSt		
4.6	2013-04-24	SSt	SSt		

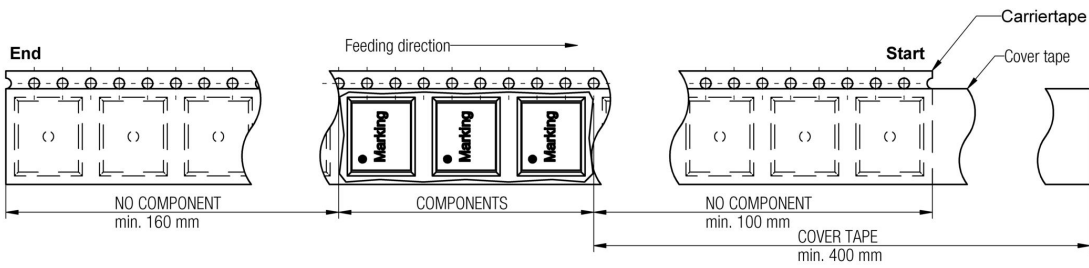
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G Packaging Specification - Tape and Reel [mm]:

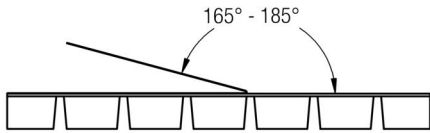


	A0	B0	W	P1	T	T1	T2	D0	E1	E2	F	P0	P2	Tape	VPE / packaging unit	
tolerance	typ.	typ.	+0,3 -0,1	± 0,1	± 0,1	max.	typ.	+0,1 -0,0	± 0,1	min.	± 0,05	± 0,1	± 0,05			
size	744273xx	8,50	10,00	16,00	12,00	0,50	0,10	6,40	1,50	1,75	14,25	7,50	4,00	2,00	Polystyrene	1000

tolerance	
Tape width	16 mm

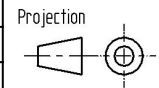


Packaging is referred to the international standard IEC 60286 -3:2007



	Pull-of force
Tape width 16 mm	0,1 N - 1,3 N

4.12	2015-08-06	KaS	SBa
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4.10	2014-07-15	SSt	SSt
4.9	2014-05-12	SSt	SSt
4.8	2014-03-04	SSt	SBa
4.7	2014-01-07	SSt	SSt
4.6	2013-04-24	SSt	SSt
REV	DATE	BY	CHECKED

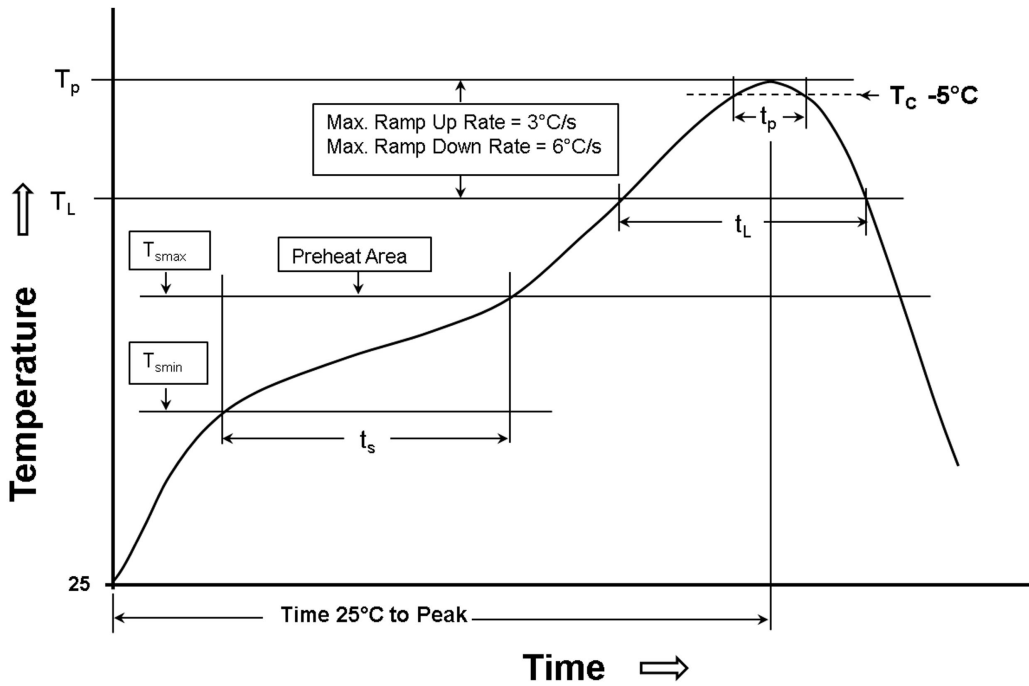


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H Soldering Specifications:

H1: Classification Reflow Profile for SMT components:



H2: Classification Reflow Profiles

Profile Feature
Preheat - Temperature Min (T_{smin}) - Temperature Max (T_{smax}) - Time (t_s) from (T_{smin} to T_{smax})
Ramp-up rate (T_L to T_p)
Liquidous temperature (T_L) Time (t_L) maintained above T_L
Peak package body temperature (T_p)
Time within 5°C of actual peak temperature (t_p)
Ramp-down rate (T_p to T_L)
Time 25°C to peak temperature

refer to IPC/JEDEC J-STD-020D

H3: Package Classification Reflow T

	Package Thickness
PB-Free Assembly	< 1.6 mm
PB-Free Assembly	1.6 - 2.5 mm
PB-Free Assembly	≥ 2.5 mm

refer to IPC/JEDEC J-STD-020D

				Projection	
4.12	2015-08-06	KaS	SBa		DES
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4.9	2014-05-12	SSt	SSt		7
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I Cautions and Warnings:

The following conditions apply to all goods within the product series of WE-SL5 HC of Würth Elektronik eiSos GmbH & Co. KG:

General:

All recommendations according to the general technical specifications of the data sheet have to be complied with.

The usage and operation of the product within ambient conditions, which probably alloy or harm the wire isolation, has to be avoided.

If the product is potted in customer applications, the potting material might shrink during and after hardening. The product is exposed to the pressure of the potting material with the effect that the core, wire and termination is possibly damaged by this pressure and so the electrical as well as the mechanical characteristics are endangered to be affected. After the potting material is cured, the core, wire and termination of the product have to be checked if any reduced electrical or mechanical functions or destructions have occurred.

The responsibility for the applicability of customer specific products and use in a particular customer design is always within the authority of the customer. All technical specifications for standard products do also apply to customer specific products.

Cleaning agents that are used to clean the customer application might damage or change the characteristics of the component, body or termination.

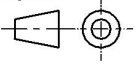
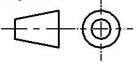
Direct mechanical impact to the product shall be prevented as the ferrite material of the core could flake or in the worst case it could break.

Product specific:

Follow all instructions mentioned in the data sheet, especially:

- The soldering profile has to be complied with according to the technical reflow soldering specification, otherwise this will void the warranty.
- All products shall be used before the end of the period of 12 months based on the product date code, if not a 100% solderability can't be ensured.
- Violation of the technical product specifications such as exceeding the nominal rated current will void the warranty.

The general and product specific cautions comply with the state of the scientific and technical knowledge and are believed to be accurate and reliable; however, no responsibility is assumed for inaccuracies or incompleteness.

REV	DATE	BY	CHECKED	Projection 	DES
4.12	2015-08-06	KaS	SBa	 Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com	W
4.11	2014-09-08	SSt	SBa		Ord
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J Important Notes:

The following conditions apply to all goods within the product range of Würth Elektronik eiSos GmbH & Co. KG:

1. General Customer Responsibility

Some goods within the product range of Würth Elektronik eiSos GmbH & Co. KG contain statements regarding general suitability for certain application areas. These statements about suitability are based on our knowledge and experience of typical requirements concerning the areas, serve as general guidance and cannot be estimated as binding statements about the suitability for a customer application. The responsibility for the applicability and use in a particular customer design is always solely within the authority of the customer. Due to this fact it is up to the customer to evaluate, where appropriate to investigate and decide whether the device with the specific product characteristics described in the product specification is valid and suitable for the respective customer application or not.

2. Customer Responsibility related to Specific, in particular Safety-Relevant Applications

It has to be clearly pointed out that the possibility of a malfunction of electronic components or failure before the end of the usual lifetime cannot be completely eliminated in the current state of the art, even if the products are operated within the range of the specifications.

In certain customer applications requiring a very high level of safety and especially in customer applications in which the malfunction or failure of an electronic component could endanger human life or health it must be ensured by most advanced technological aid of suitable design of the customer application that no injury or damage is caused to third parties in the event of malfunction or failure of an electronic component.

Therefore, customer is cautioned to verify that data sheets are current before placing orders. The current data sheets can be downloaded at www.we-online.com.

3. Best Care and Attention

Any product-specific notes, cautions and warnings must be strictly observed. Any disregard will result in the loss of warranty.

4. Customer Support for Product Specifications

Some products within the product range may contain substances which are subject to restrictions in certain jurisdictions in order to serve specific technical requirements. Necessary information is available on request. In this case the field sales engineer or the internal sales person in charge should be contacted who will be happy to support in this matter.

5. Product R&D

Due to constant product improvement product specifications may change from time to time. As a standard reporting procedure of the Product Change Notification (PCN) according to the JEDEC-Standard inform about minor and major changes. In case of further queries regarding the PCN, the field sales engineer or the internal sales person in charge should be contacted. The basic responsibility of the customer as per Section 1 and 2 remains unaffected.

6. Product Life Cycle

Due to technical progress and economical evaluation we a standard reporting procedure of the Product Termination Notification inevitable product discontinuance. According to this we ca Therefore it needs to be verified with the field sales engineer expectancy before or when the product for application design The approach named above does not apply in the case of ir

7. Property Rights

All the rights for contractual products produced by Würth well as models or templates that are subject to copyright, Elektronik eiSos GmbH & Co. KG.

Würth Elektronik eiSos GmbH & Co. KG does not warrant c tent right, copyright, mask work right, or other intellectual Elektronik eiSos GmbH & Co. KG components or services ar

8. General Terms and Conditions

Unless otherwise agreed in individual contracts, all orders Elektronik eiSos Group", last version available at www.we-online.com

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4.12	2015-08-06	KaS	SBa		DES
4.11	2014-09-08	SSt	SBa		
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