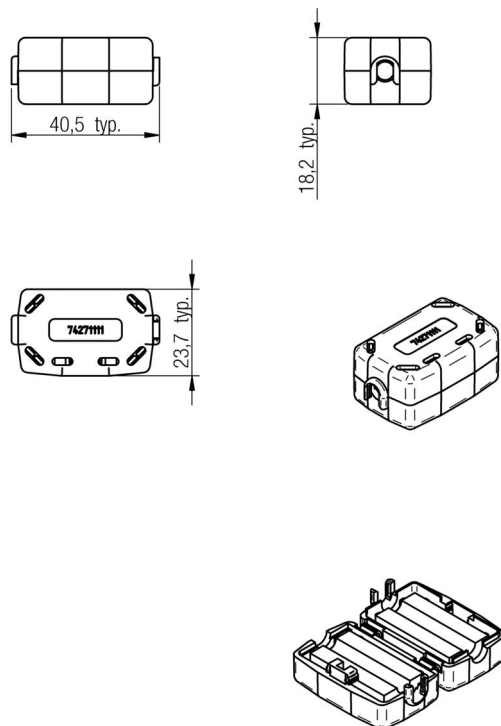
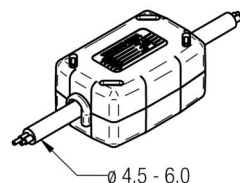


A Dimensions: [mm]**B Applicable Cable Diameter: [mm]**

Scale - 1:2

**D Electrical Properties:**

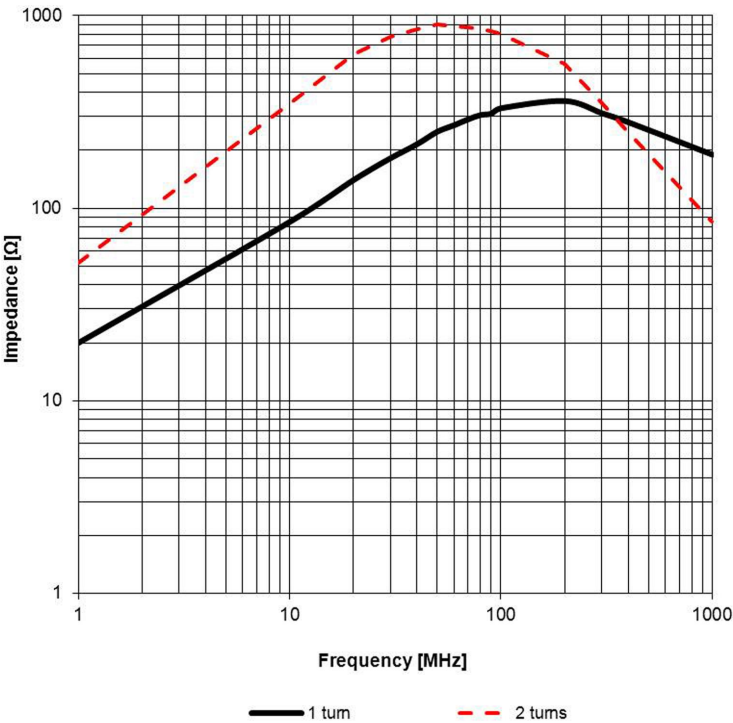
Properties	Test conditions		Value	Unit	Tol.
Impedance @ 25 MHz 1 turn	25 MHz	Z	176	Ω	$\pm 25\%$
Impedance @ 100 MHz 1 turn	100 MHz	Z	321	Ω	$\pm 25\%$
Impedance @ 25 MHz 2 turns	25 MHz	Z	773	Ω	typ.
Impedance @ 100 MHz 2					



D2 General Properties:

	Properties		Value	Unit	Tol.
Ferrite core	Material		4 W 620		
Ferrite core	Initial permeability	μ_i	620		typ.
Ferrite core	Curie temperature	T_C	150	°C	typ.
Plastic housing	Colour		Grey		
Plastic housing	Flammability Classification		UL94-V0		
Test cable	Applicable cable		AWG26		
Test cable	Applicable cable length		90	mm	

F1 Typical Impedance Characteristics:



I Cautions and Warnings:

The following conditions apply to all goods within the product series of WE-STAR TEC 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 component surface, has to be avoided.

The packaging of the product is to encase the needed humidity of the plastic housing. To ensure the humidity level, the products have to be stored in this delivered packaging. If not, the products are losing their humidity. In this case you can re-condition the components according to the internal standard WE1581 to ensure the necessary humidity in the plastic.

To ensure the operating mode of the product, the ambient temperature at processing (when the part will be mounted on the cable) has to be in the range of 15 to 25 °C.

Before mounting, the part should be stored for one hour in this condition.

The responsibility for the applicability of customer specific products and the 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.

Direct mechanical impact to the product and the forcible closing of this shall be prevented as the ferrite material of the ferrite body or the plastic housing could flake or in the worst case it could break.

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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

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