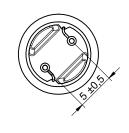
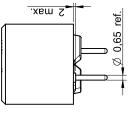
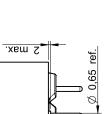
Dimensions: [mm]





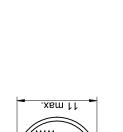


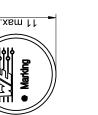
.11,5 max.



3,5 ±0,5







Product Marking:

Scale - 2:1

Recommended Hole Patter

E. Ξ ⋖ ⋖ C C \exists

Value

Test conditions 100 kHz/ 5 mA

2.2 8.2 10 0.0075

|\text{\rm L/L|} < 10 % $\Delta T = 40 \text{ K}$

SAT

0.0088

@ 20 °C @ 20 °C

Roc

75

	Electrical Properties:
	Properties
	Inductance
	Rated Current
	Saturation Current
_	DC Resistance
- _	DC Resistance
 Z'	Self Resonant Frequency
ΙØ	Certification:

REACh Approval RoHS Approval Halogen Free

Scale - 2:1

Conform or declared [(EC)1907/2006]

Conform [JEDEC JS709B]

Compliant [2011/65/EU&2015/863]

Schematic:

It is recommended that the temperature of the component does not exceed $+125\,^{\circ}\mathrm{C}$ unc case conditions

General Properties:



Test conditions of Electrical Properties: +20 °C, 33 % RH if not specified different

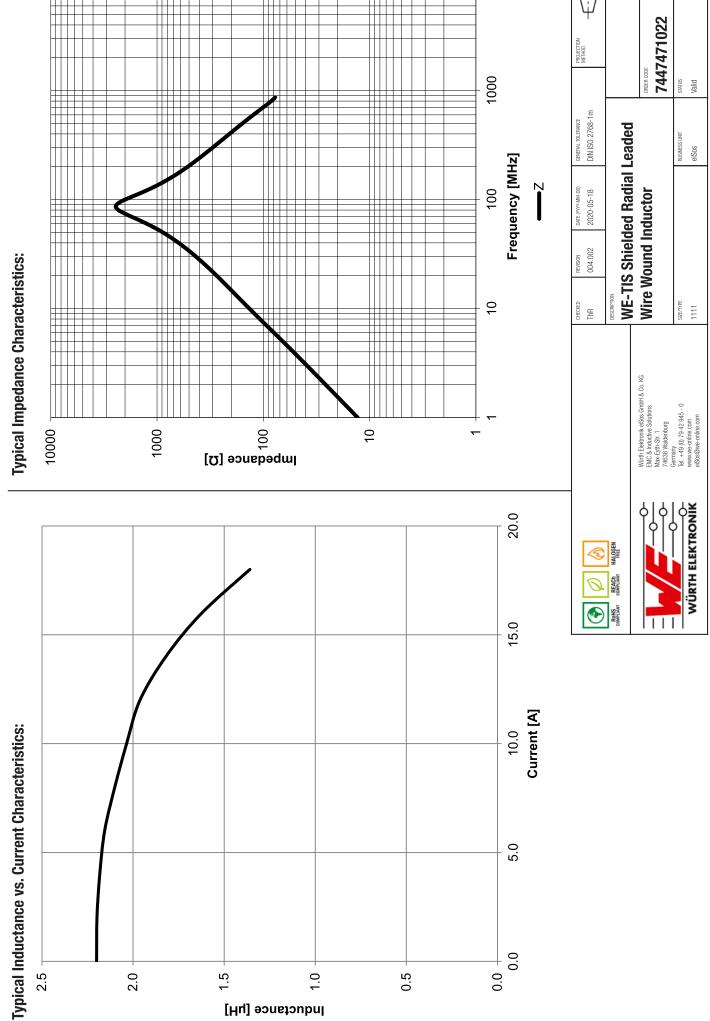


EMC 8, inductive Solutions C.D. No. Mod. St. Inductive Solutions Mask-Eyth-Str. 1 Adva-Eyth-Str. 1 Adva-Eyth-Str. 2 Bernary Fernary Fe
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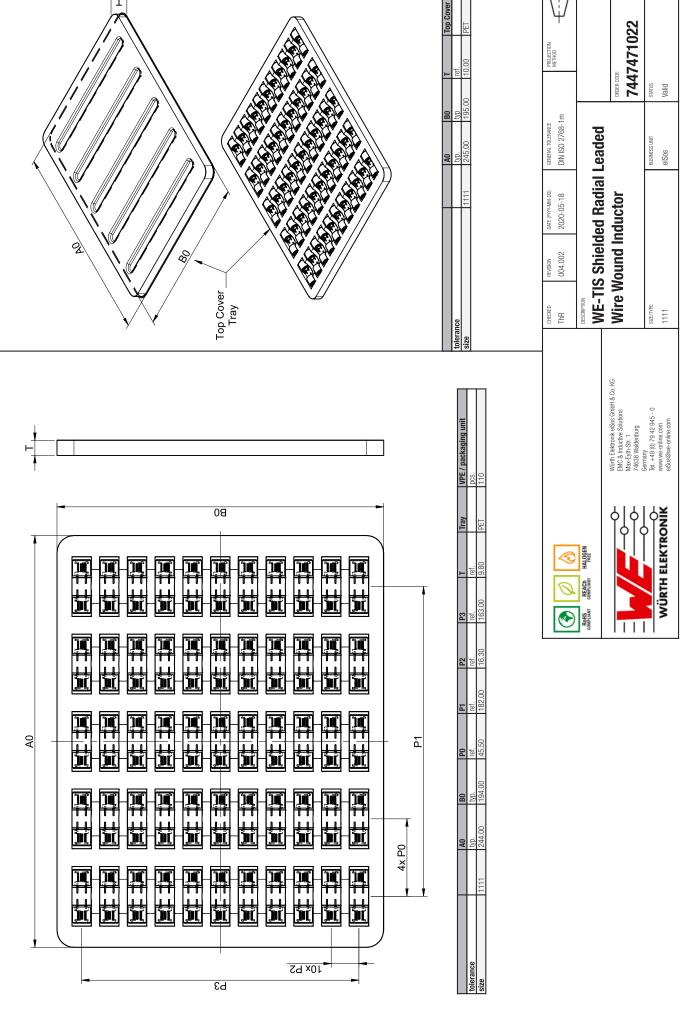
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diretor	n puno	Wire W
		:
ed Radial 1	Shield	WF-TIS
		DESCRIPTION
_	004.002	ThR
	REVISION	CHECKED
	PATE (WYSMA DO) GENERAL TOLERANCE 2020-05-18 DIN ISO 2768-1m Ed Radial Leaded	2020-05-18 I

		7447471022
SIZE/ITYPE	BUSINESS UNIT	STATUS
1111	eiSos	Valid

This electric component is been designed and developed of rousage in general electronic equipment only. This product is reasonably required or where a failure of the portural scales and relation of the product is reasonably required an agreement specifically governing such that is a facility of the second in the product is reasonably required or where a failure of the product is reasonably required and reference of the product is reasonably required and reference or required and required and required and reference or reference or required and reference or reference or required and reference or re

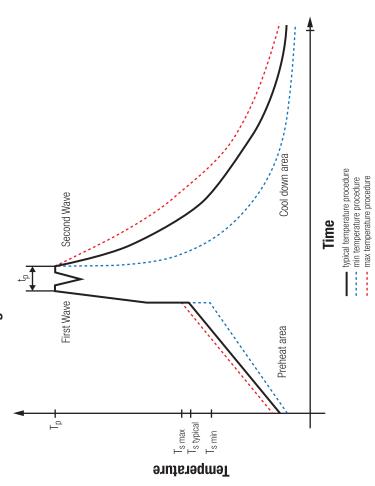


This electronic component has been designed and developed for usage in general electronic equipment only. This product is not authorized for use in equipment where a failure of the product is reasonably equipment where a failure of the product is reasonably expected to cause severe personal injury or death, unless the particular of such usage before the design-in stage, in addition, sufficient relations or personal injury and expected and injury or death, and is a failure and such usage before the described in addition, sufficient relations or personal injury and expected and injury and expected and injury and expected and injury or death, unless that the product is reasonably expected and expected and injury or death, and injury and expected and ex



This electron component tacken existing of an electron component tacken designated and electron component tacken existing and electron component tacken existing the product is not authorized for use in equipment with the a higher safety standed and reliability standard is especially required or where a fature of the product is reasonably executed to cause severe personably in the severable and existing the electron component and the internation of the product is not authorized for use in equality in the existing and electron component and existing the electron control, ship control, the area presentation in the electron control is an existing to a control is an existing the electron control is an existing to the electron control is an exist

Classification Wave Soldering Profile:



Classification Wave Soldering Profile:

	S C		
Profile Feature		Pb-Free Assembly	Sn-Pb Assembly
Preheat Temperature Min	T _{s min}	100 °C	100 °C
Preheat Temperature Typical	T _{s typical}	120 °C	120 °C
Preheat Temperature Max	T _{s max}	130 °C	130 °C
Preheat Time t _s from T _{s min} to T _{s max}	ţ	70 seconds	70 seconds
Ramp-up Rate	ΔT	150 °C max.	150 °C max.
Peak Temperature	Тр	250 °C - 260 °C	235 °C - 260 °C
Time of actual peak temperature	tр	max. 10 seconds max. 5 seconds each wave	max. 10 seconds max. 5 seconds each wave
Ramp-down Rate, Min		~ 2 K/ second	~ 2 K/ second
Ramp-down Rate, Typical		~ 3.5 K/ second	~ 3.5 K/ second
Ramp-down Rate, Max		~ 5 K/ second	~ 5 K/ second
Time 25 °C to 25 °C		4 minutes	4 minutes

refer to EN61760-1:2006

7447471022 ORDER CODE STATUS Valid WE-TIS Shielded Radial Leaded BUSINESS UNIT eiSos Wire Wound Inductor 111 Worth Elektronik edisos Grabt 8 Co. KG Graft S Inductive Souldons Max Eyn-Ext 1 Ac58 Waldenburg Germany Had (p) 73 42 945 - 0 www.we online.com elsse@we-online.com þ WÜRTH ELEKTRONIK П

REACH

PROJECTION METHOD

GENERAL TOLERANCE DIN ISO 2768-1m

DATE (YYYY-MM-DD) 2020-05-18

PEMSION 004.002

снескер ThR This electric component has been designed and developed for usage in general electronic equipment only. This product is reasonably required or where a failure of the portuct is reasonably required or where a failure of the product is reasonably required and agreement specifically governing such as a failure of the product is reasonably required or where a failure of the product is reasonably required and agreement specifically governing such as a failure of the product is reasonably required and and agreement specifically governing such as a failure of the product is reasonably required and adjust of the product is reasonably required and and adjust of the product is reasonably required and agreement specifically governing such as a failure of the product is reasonably required and adjust of the product is reasonably required and adjust of the product is reasonably required and and adjust of the product is reasonably required and adjust of the product is reasonably required and adjust of the product is reasonably required and and adjust of the product is reasonably required and and adjust of the product is reasonably required and and adjust of the product is reasonably required and and adjust of the product is reasonably re

Cautions and Warnings:

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

General:

- This electronic component is designed and manufactured for use in general electronic equipment.
- ship control), transportation signal, disaster prevention, medical, public information network, etc. where higher safety and reliability are equipment in fields such as military, aerospace, aviation, nuclear control, submarine, transportation (automotive control, train control, Würth Elektronik must be asked for written approval (following the PPAP procedure) before incorporating the components into any especially required and/or if there is the possibility of direct damage or human injury.
- Electronic components that will be used in safety-critical or high-reliability applications, should be pre-evaluated by the customer.
- The component is designed and manufactured to be used within the datasheet specified values. If the usage and operation conditions specified in the datasheet are not met, the wire insulation may be damaged or dissolved.
- Do not drop or impact the components, the component may be damaged.
- Würth Elektronik products are qualified according to international standards, which are listed in each product reliability report. Würth Elektronik does not warrant any customer qualified product characteristics beyond Würth Elektroniks' specifications, for its validity and sustainability over time.
- The responsibility for the applicability of the customer specific products and use in a particular customer design is always within the authority of the customer. All technical specifications for standard products also apply to customer specific products.

Product specific:

Soldering:

- The solder profile must comply with the technical product specifications. All other profiles will void the warranty.
- All other soldering methods are at the customers' own risk

Cleaning and Washing:

 Washing agents used during the production to clean the customer application might damage or change the characteristics of the wire insulation, marking or plating. Washing agents may have a negative effect on the long-term functionality of the product.

Potting:

 If the product is potted in the customer application, the potting material might shrink or expand during and after hardening. Shrinking
could lead to an incomplete seal, allowing contaminants into the core. Expansion could damage the component. We recommend a manual inspection after potting to avoid these effects.

Storage Conditions:

- A storage of Würth Elektronik products for longer than 12 months is not recommended. Within other effects, the terminals ma
 degradation, resulting in bad solderability. Therefore, all products shall be used within the period of 12 months based on the c
 shipment.
- Do not expose the components to direct sunlight.
- The storage conditions in the original packaging are defined according to DIN EN 61760-2.
- The storage conditions stated in the original packaging apply to the storage time and not to the transportation time of the com

Handling:

- Violation of the technical product specifications such as exceeding the nominal rated current will void the warranty.
- Applying currents with audio-frequency signals may result in audible noise due to the magnetostrictive material properties.
- Due to heavy weight of the components, strong forces and high accelerations may have the effect to damage the electrical co or to harm the circuit board and will void the warranty.
- These cautions and warnings comply with the state of the scientific and technical knowledge and are believed to be accurate and However, no responsibility is assumed for inaccuracies or incompleteness.



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 responsibility for the applicability and use in a particular customer design is always solely within the authority of the customer. Due to this 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 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

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 failure of an electronic component could endanger human life or health it must be ensured by most advanced technological aid of suitable component. Therefore, customer is cautioned to verify that data sheets are current before placing orders. The current data sheets can be 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 In certain customer applications requiring a very high level of safety and especially in customer applications in which the malfunction or cannot be completely eliminated in the current state of the art, even if the products are operated within the range of the specifications. 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 also reserve the right to discontinue production and delivery of products. standard reporting procedure of the Product Termination Notification (PTN) according to the JEDEC-Standard we will inform at an about inevitable product discontinuance. According to this we cannot guarantee that all products within our product range will alw available. Therefore it needs to be verified with the field sales engineer or the internal sales person in charge about the current proavailability expectancy before or when the product for application design-in disposal is considered. The approach named above de apply in the case of individual agreements deviating from the foregoing for customer-specific products.

7. Property Rights

All the rights for contractual products produced by Würth Elektronik eiSos GmbH & Co. KG on the basis of ideas, development con well as models or templates that are subject to copyright, patent or commercial protection supplied to the customer will remain w Elektronik eiSos GmbH & Co. KG does not warrant or represent that any license, either ex implied, is granted under any patent right, copyright, mask work right, or other intellectual property right relating to any combinati application, or process in which Würth Elektronik eiSos GmbH & Co. KG components or services are used.

8. General Terms and Conditions

Unless otherwise agreed in individual contracts, all orders are subject to the current version of the "General Terms and Conditions Elektronik eiSos Group", last version available at www.we-online.com.

