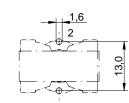
Recommended Land Pattern: [mm]

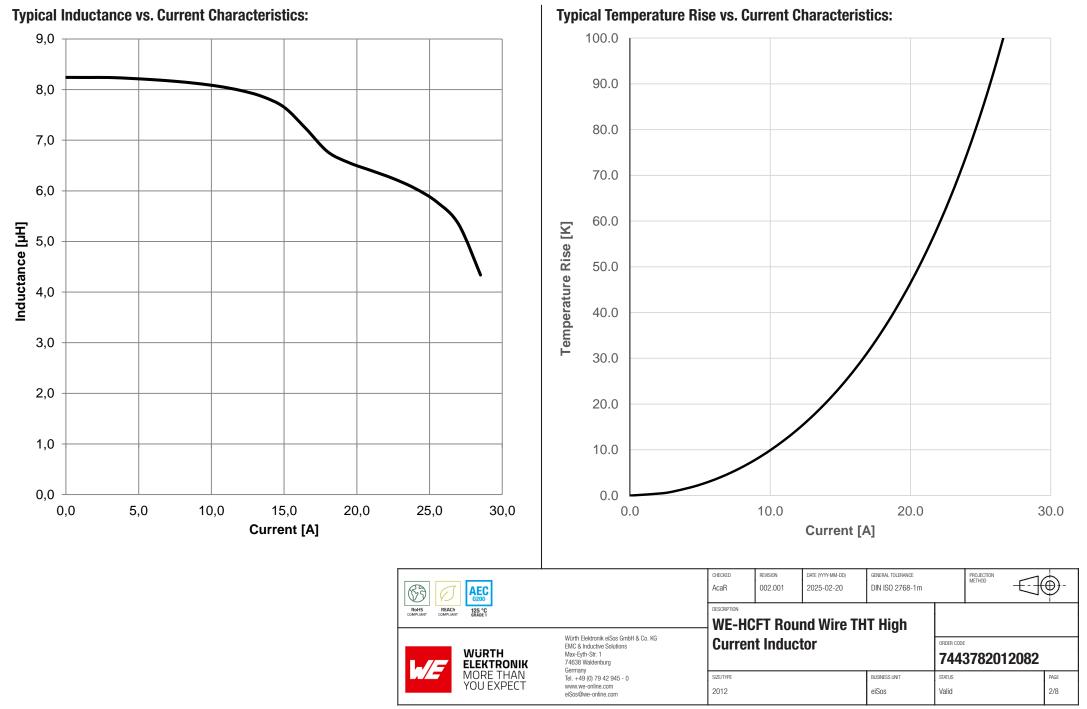


Electrical Properties:

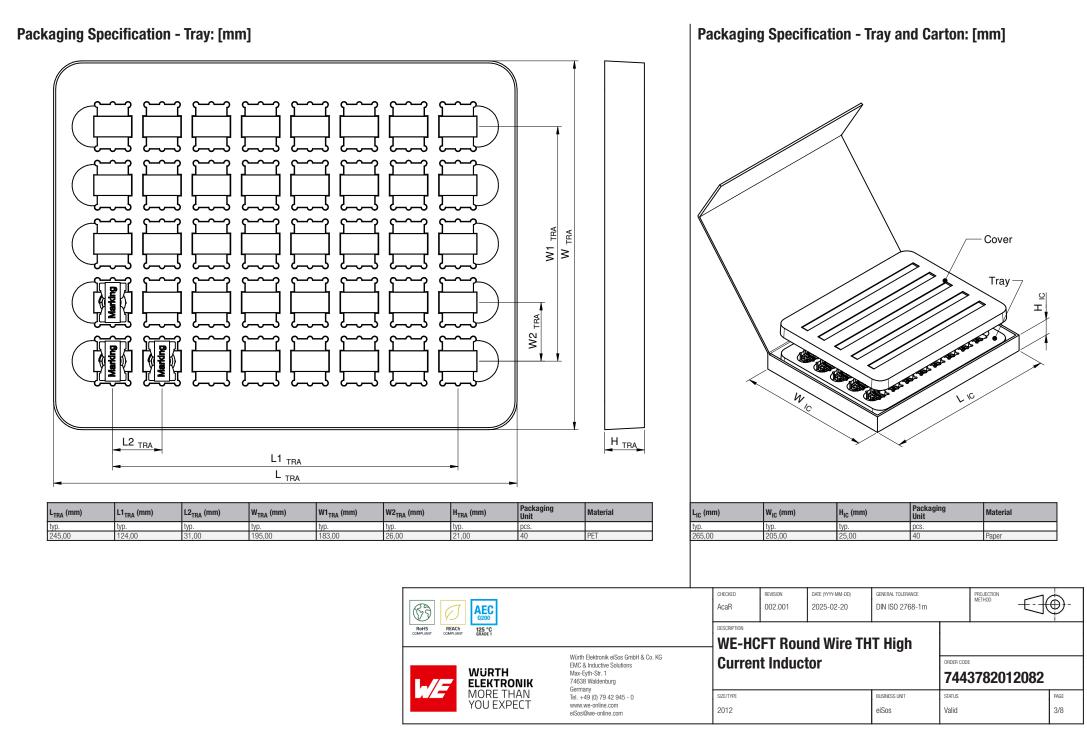
	perties				Test conditions	;	Value	Unit	Tol.		
Indu	uctance			L	100 kHz/ 10 mA		8.2	μH	±20%		
Rate	ed Current	t		I _R	ΔT = 50 K		20.6	A	max.		
Satu	uration Cu	irrent @ 30	0%	I _{SAT,30%}	ΙΔL/LI < 30 %		25.6	А	typ.		
DC I	Resistanc	e		R _{DC}	@ 20 °C		4.55	mΩ	typ.		
DCI	Resistanc	е		R _{DC}	@ 20 °C		5	mΩ	max.		
Self	Resonant	t Frequenc	y	f _{res}			18	MHz	typ.		
Ope	rating Vol	tage		V _{OP}			80	V			
Cer	Certification:										
RoHS Approval					Compliant [20)11/65	/EU&2015	5/863]			
REA	Ch Approv	val			Conform or de	clared	[(EC)1907	/2006]			
e 1:1 Component Qualification AEC-Q200 Grade 1											
<u></u>	bient Tem	n forma t perature (r			-40 °(C up to	+75 °C				
Ami to I _F Ope	bient Tem _j _{3P}) rating Ten	perature (r nperature	referring				+75 °C +125 °C				
Ami to I _F Ope Stor	bient Tem _j _{3P}) rating Ten	perature (r	referring		-40 °C	; up to					
Amb to I _F Ope Stor pac	bient Temp _{RP}) rating Ten rage Cond kaging)	perature (r nperature	referring Driginal		-40 °C	; up to	+125 °C				
Aml to I _F Ope Stor pac	bient Temp RP) rating Ten rage Cond kaging) sture Sens Test co	perature (r nperature itions (in c sitivity Lev onditions of	referring Driginal Vel (MSL) Electrical Pr	· ·	-40 °C < 40 ° +20 °C, 33 % rH	; up to °C ; < 1 if not	+125 °C 75 % rH specified c	,			
Amt to I _F Ope Stor pac Moi	bient Temp rating Tem rage Cond kaging) sture Sens Test co mperature i	perature (r nperature itions (in c sitivity Lev onditions of rise is highly	referring priginal rel (MSL) Electrical Pri y dependent	t on many herefore, f	-40 °C < 40 °	C up to C ; < 1 if not PCB la	+125 °C 75 % rH specified c	i, trace siz			
Amt to I _F Stor pac Moi	nating Tem rating Tem rage Cond kaging) sture Sen: Test com proximity to	perature (r nperature itions (in c sitivity Lev onditions of rise is highly o other com	referring original rel (MSL) Electrical Pri y dependent iponents. Th	t on many herefore, f col	-40 °C < 40 ° +20 °C, 33 % rH r factors including emperature rise sl nditions.	C up to C ; < 1 if not PCB la	+125 °C 75 % rH specified c nd pattern se verified	i, trace siz			
Amito I _F Ope Stor pac Moi	bient Temp rating Tem rage Cond kaging) sture Sens Test co mperature i	perature (r nperature itions (in c sitivity Lev onditions of rise is highly	referring priginal rel (MSL) Electrical Pri y dependent	t on many herefore, f col	-40 °C < 40 ° +20 °C, 33 % rH / factors including / emperature rise sl	C up to C ; < 1 if not PCB la	+125 °C 75 % rH specified c	i, trace siz			
Amt to I _F Stor pace	Dient Temp AP rating Ten rage Cond kaging) sture Sens Test cc mperature I proximity to CHECKED AcaR	perature (r nperature itions (in c sitivity Lev onditions of rise is highly o other com	referring original rel (MSL) Electrical Pri y dependent iponents. Th	t on many herefore, f col	-40 °C < 40 ° +20 °C, 33 % rH factors including temperature rise sl ditions.	C up to C ; < 1 if not PCB la	+125 °C 75 % rH specified c ind pattern be verified	i, trace siz			
Amt to I _F Stor pac	Dient Tem AP rating Ten rage Cond kaging) sture Sens Test cc mperature I proximity to DECKED AcaR	Perature (r nperature itions (in c sitivity Lev onditions of rise is highly o other com 002.001	referring original rel (MSL) Electrical Pr y dependent ponents. Th 2025-02-20	t on many herefore, i col	-40 °C < 40 ° +20 °C, 33 % rH r factors including remperature rise sl nditions.	C up to C ; < 1 if not PCB la	+125 °C 75 % rH specified c ind pattern be verified	i, trace siz			
Amit to I _F Ope Stor pac Moi	Dient Temp RP rating Tem rage Cond kaging) sture Sen Test or Test or Test or Test or Test or Test or Test or Test or AcaR	Perature (r nperature itions (in c sitivity Lev onditions of rise is highly o other com 002.001	referring priginal rel (MSL) Electrical Pri y dependent ponents. Th DATE (YYYY-MMLC 2025-02-20 und Wirf	t on many herefore, i col	-40 °C < 40 ° +20 °C, 33 % rH r factors including remperature rise sinditions.	C up to C ; < 1 if not PCB la	+125 °C 75 % rH specified c ind pattern be verified	i, trace siz			
Amit to I _F Ope Stor pac Moi	Dient Temp RP rating Tem rage Cond kaging) sture Sen Test or Test or Test or Test or Test or Test or Test or Test or AcaR	Perature (r nperature itions (in c sitivity Lev onditions of rise is highly o other com 002.001	referring priginal rel (MSL) Electrical Pri y dependent ponents. Th DATE (YYYY-MMLC 2025-02-20 und Wirf	t on many herefore, i col	-40 °C < 40 ° +20 °C, 33 % rH factors including temperature rise sl nditions.	C up to C up to C ; < 1 if not PCB Ia hould I	+125 °C 75 % rH specified c ind pattern be verified	i, trace siz in applica			

			,0			0A1,30	/0			- 21-
		2		DC Resistance)	R _{DC}	@ 20 °C	4.55	mΩ	typ.
				DC Resistance)	R _{DC}	@ 20 °C	5	mΩ	max.
2	T		13,0	Self Resonant	Frequency			18	MHz	typ.
				Operating Volt	tage	V _{OP}		80	V	
		1		Certificatio	on:					
22,0 max. ►				RoHS Approva	l		Compliant	[2011/65/EU&20	15/863]	
				REACh Approv	al		Conform or	declared [(EC)19	07/2006]	
			Scale 1:1	Component Qu	ualificatior	n	A	EC-Q200 Grade 1		
¢ 1,2 ±0,3	4,0 ±0,5 13,5 max.	Schematic:								
				General In	format	tion:				
				Ambient Temp to I _{RP})	erature (re	eferring	-4	0 °C up to +75 °C	3	
			\sim	Operating Tem	perature		-4() °C up to +125 °	С	
Date Code			Y <u>2</u>	Storage Condit packaging)	itions (in o	riginal	< '	40 °C ;< 75 % rl	Н	
				Moisture Sens	sitivity Lev	el (MSL)		1		
						Electrical Propertie				
	Scale 1:1			Temperature ri proximity to	ise is highly other comp	dependent on ma ponents. Therefore	ny factors includ e, temperature ris conditions.	ing PCB land patte e should be verifie	ern, trace siz ed in applica	ze, and ation
Product Marking:										
Marking - P/N	7443782012082			CHECKED	REVISION	DATE (YYYY-MM-DD)	GENERAL TOLERANCE	PROJECTION		
Marking - Date Code	(YYWW)				002.001	2025-02-20	DIN ISO 2768-1m	METHOD	-	⊕ -
Start of Winding	•	RoHS REACH 125 °C GAMPLIANT GRADE1		DESCRIPTION						_ĭ
		LUMPLIANT COMPLIANT GRADE 1		WE-HCI	FT Rou	nd Wire TH	T High			
			Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions	Current Inductor			-	ORDER CODE		
			Max-Eyth-Str. 1 74638 Waldenburg					74437820)12082	
		ELEKTRONIK MORE THAN YOU EXPECT	Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com	SIZE/TYPE			BUSINESS UNIT	STATUS		PAGE
			eiSos@we-online.com	2012			eiSos	Valid		1/8

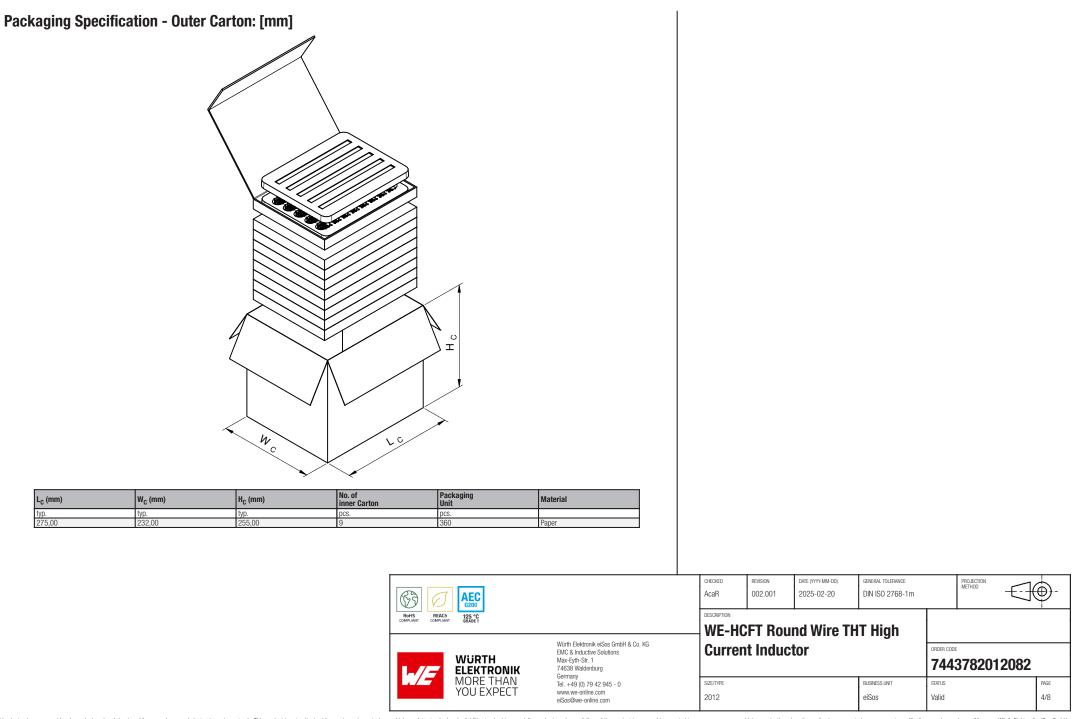
This electronic component has been designed and developed for usage in general electronic equipment only. This product is not authorized for use in equipment where a higher safety standard and reliability standard is especially required or where a failure of the product is reasonably expected to cause severe personal injury or death, unless the parties have executed an agreement specifically governing such use. Moreover Wurth Elektronik elSos GmbH & Co KG must be informed about the intent of such usage before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in effective advectual carcuits have needed to use in equire high safety and reliability inclusors or performance.



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 higher safety standard and reliability standard is especially required or where a failure of the product is reasonably expected to cause severe personal injury or death, unless the parties have executed an agreement specifically governing such use. Moreover Würth Elektronik elSos GmbH & Co KG must be informed about the intent of such usage before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electronic aircuits that that and reliability evaluation checks for safety must be performed on every electronic component which is used in electronic aircuits that that and reliability and reliability inclusions or performance.

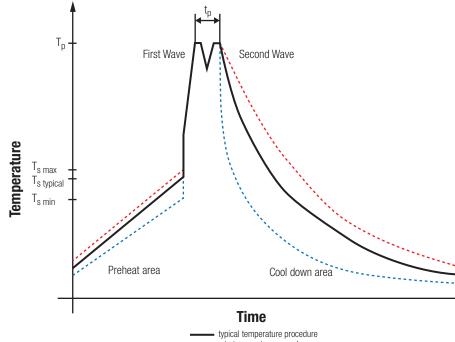


This electronic component has been designed and developed for usage in general electronic equipment only. This product is not authorized for use in equipment where a higher safety standard and reliability standard and reliability standard is especially required or where a failure of the product is reasonably expected to cause severe personal injury or death, unless the parties have executed an agreement specifically governing such use. Moreover Würth Elektronik elSos GmbH & Co KG must be informed about the intent of such usage before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electricial circuits that reliability and reliability functions or performance.



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 higher safety standard and reliability standard and rel

Classification Wave Soldering Profile:



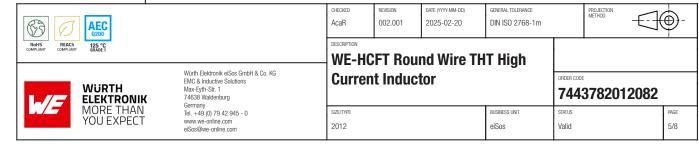
---- min temperature procedure

---- max temperature procedure

Classification Wave Soldering Profile:

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 ${\rm t_s}$ from ${\rm T_s}_{\rm min}$ to ${\rm T_s}_{\rm max}$	t _s	70 seconds	70 seconds
Ramp-up Rate Δ Temperature from $\rm T_{s\ typical}$ to $\rm T_{p}$	ΔT	150 °C max.	150 °C max.
Peak Temperature	Т _р	250 °C - 260 °C	235 °C - 260 °C
Time of actual peak temperature	tp	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



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 higher safety standard and reliability standard and reliability standard is especially required or where a failure of the product is reasonably expected to cause severe personal injury or death, unless the parties have executed an agreement specifically governing such use. Moreover Würth Elektronik elSos GmbH & Co KG must be informed about the intent of such usage before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electricial circuits that reliability and reliability functions or performance.

Further information

Component Libraries:

Altium	Altium_WE-HCFT (25a)
Cadence17-2	Downloads_CADENCE_WE-HCFT (25a)
Cadstar	Cadstar_WE-HCFT (20a)
Eagle	Eagle_WE-HCFT (25a)
IGS	Download_IGS_WE-HCFT-7443782012xxx_1,2 wire
KiCad	KiCad_WE-HCFT (25a)
PSpice	PSpice_WE-HCFT (25a)
STP	Download_STP_WE-HCFT-7443782012xxx_1,2 wire
Spectre Circuit Simulator	Spectre_WE-HCFT (24a)

Free Sample Order:

Order free samples of this article directly here!

Tutorials:

Single Coil Inductors (PDF)

REDEXPERT:

Calculate losses for 7443782012082 in REDEXPERT

63	AEC		CHECKED AcaR	REVISION 002.001	DATE (YYYY-MM-DD) 2025-02-20	GENERAL TOLERANCE DIN ISO 2768-1m		PROJECTION METHOD) -
ROMS REACH 125 °C COMPLIANT COMPLIANT GRADE 1				FT Rou	nd Wire TH	IT High				
	ELEKTRONIK	Würth Elektronik eliöse GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Common	Currer	it Induc	tor				2082	
./-	MORE THAN YOU EXPECT	Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com	SIZE/TYPE 2012			BUSINESS UNIT eiSos	status Valid			PAGE 6/8
	COMPLIANT COMPLIANT		With Elektronik elSos GmbH & Co. KG Würth Elektronik elSos GmbH & Co. KG ELEKTRONIK MORE THAN YOU EXPECT	Ref: Ref: Ref: AcaR Description Image: Community Image: Community Description Wirth Elektronik alSos GmbH & Co. KG Elektronik alSos GmbH & Co. KG ME-HC Wirth Elektronik alSos GmbH & Co. KG Elektronik alSos GmbH & Co. KG Current WORTH Place 7433 Waldenburg Germany MORE THAN Tel. +49 (0) 79 42 945 - 0 SIZE/TYPE SIZE/TYPE 2012 WURTH WWe-ndine.com SIZE/TYPE	AcaR 002.001	Wirth Elektronik elSos GmbH & Co. KG Wirth Elektronik elSos GmbH & Co. KG BESCAPTION Würth Elektronik elSos GmbH & Co. KG ELEKTRONIK MORE THAN YOU EXPECT	Wirth Elektronik elSos GmbH & Co. KG Wirth Elektronik elSos GmbH & Co. KG BESCRIPTION Wirth Elektronik elSos GmbH & Co. KG ELEKTRONIK MORE THAN YOU EXPECT	Ref: Ref: Ref: Q25-02-20 DIN ISO 2768-1m WURTH Ref: Ref: Ref: Ref: Ref: Ref: WURTH Ref: Ref: Ref: Ref: Ref: Ref: Ref: WURTH Ref: Ref: <td< th=""><th>Wirth Elektronik elsos GmbH & Co. KG EMCE Mirth Elektronik elsos GmbH & Co. KG EMCE Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WUWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WUWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WUWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WuWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WuWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 Weith Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WuWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WuWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Co. KG</th><th>Wirth Elektronik elSos GmbH & Co. KG Wirth Elektronik elSos GmbH & Co. KG ELEKTRONIK WORTH VOL EXPECT</th></td<>	Wirth Elektronik elsos GmbH & Co. KG EMCE Mirth Elektronik elsos GmbH & Co. KG EMCE Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WUWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WUWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WUWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WuWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WuWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 Weith Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WuWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth Str. 1 74433 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 WuWW-e-ninie com Mirth Elektronik elsos GmbH & Co. KG EMC & Co. KG	Wirth Elektronik elSos GmbH & Co. KG Wirth Elektronik elSos GmbH & Co. KG ELEKTRONIK WORTH VOL EXPECT

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 higher safety standard and reliability standard is especially required or where a failure of the product is not authorized for use in equipment where a higher safety standard and reliability standard is especially required or where a failure of the product is reasonably expected to cause severe personal injury or death, unless the parties have executed an agreement specifically governing such use. Moreover Würth Elektronik elSos GmbH & Co KG must be informed about the intent of such usage before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electronic advicus the runterioa circuits that must control such usage before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electronic advicus that must and require high safety and reliability an

Cautions and Warnings:

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

General:

- This electronic component is designed and manufactured for use in general electronic equipment.
- Würth Elektronik must be asked for written approval (following the PPAP procedure) before incorporating the components into any
 equipment in fields such as military, aerospace, aviation, nuclear control, submarine, transportation (automotive control, train control,
 ship control), transportation signal, disaster prevention, medical, public information network, etc. where higher safety and reliability are
 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 may suffer degradation, resulting in bad solderability. Therefore, all products shall be used within the period of 12 months based on the day of 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 components.

Packaging:

 The packaging specifications apply only to purchase orders comprising whole packaging units. If the ordered quantity exceeds or is lower than the specified packaging unit, packaging in accordance with the packaging specifications cannot be ensured.

Handling:

- Violation of the technical product specifications such as exceeding the 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 connection
 or to harm the circuit board and will void the warranty.
- The temperature rise of the component must be taken into consideration. The operating temperature is comprised of ambient temperature and temperature rise of the component. The operating temperature of the component shall not exceed the maximum temperature specified.

These cautions and warnings 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.

			CHECKED REVISION Date (MYY-MM-00) GENERAL TOLERANCE AcaR 002.001 2025-02-20 DIN ISO 2768-1m					PROJECTION METHOD	<u>-</u>	
	ROHS REACH 125 °C COMPLIANT COMPLIANT EBADE 1		WE-HCFT Round Wire THT High					-		
	L-//5	WÜRTH ELEKTRONIK	Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany	Currer	nt Induc	tor		ORDER CODE 7443782012082		
		MORE THAN YOU EXPECT	Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com	SIZE/TYPE 2012			BUSINESS UNIT eiSos	status Valid		PAGE 7/8

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 higher safety standard and reliability standard is especially required or where a failure of the product is reasonably expected to cause severe personal injury or death, unless the parties have executed an agreement specifically governing such use. Moreover Würth Elektronik elSos GmbH & Co KG must be informed about the intent of such usage before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electronic circuits that require high asteging and reliability functions or performance.

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 also reserve the right to discontinue production and delivery of products. As a standard reporting procedure of the Product Termination Notification (PTN) according to the JEDEC-Standard we will inform at an early stage about inevitable product discontinuance. According to this we cannot guarantee that all products within our product range will always be available. Therefore it needs to be verified with the field sales engineer or the internal sales person in charge about the current product availability expectancy before or when the product for application design-in disposal is considered. The approach named above does not 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 contracts as well as models or templates that are subject to copyright, patent or commercial protection supplied to the customer will remain with Würth Elektronik eiSos GmbH & Co. KG. Würth Elektronik eiSos GmbH & Co. KG does not warrant or represent that any license, either expressed or implied, is granted under any patent right, copyright, mask work right, or other intellectual property right relating to any combination, 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 of Würth Elektronik eiSos Group", last version available at www.we-online.com.

			CHECKED AcaR									
ROHS REACH 125 °C COMPLIANT COMPLIANT 125 °C		DESCRIPTION	WE-HCFT Round Wire THT High									
		Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany	Currer	nt Induc	tor		ORDER CODE	37820120)82			
	MORE THAN YOU EXPECT	Gennany Tel. +49 (0) 79 42 945 - 0 www.we-online.com elSos@we-online.com	SIZE/TYPE 2012			BUSINESS UNIT eiSos	status Valid			PAGE 8/8		

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 higher safety standard and reliability standard is especially required or where a failure of the product is reasonably expected to cause severe personal injury or death, unless the parties have executed an agreement specifically governing such use. Moreover Würth Elektronik elSos GmbH & Co KG must be informed about the intent of such usage before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electronic circuits that require high asteging and reliability functions or performance.