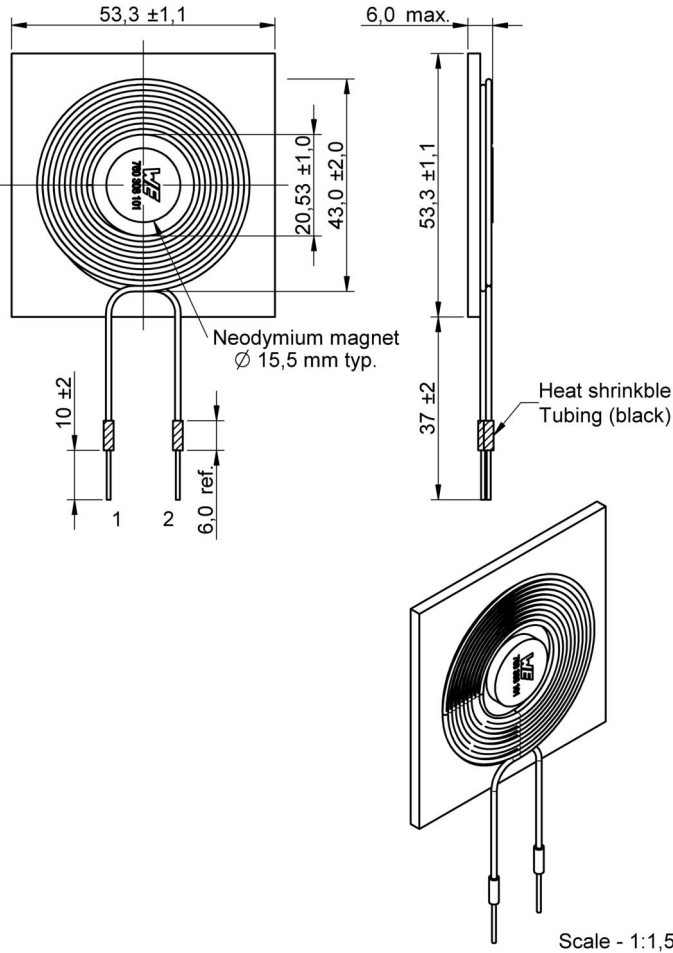
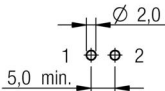


A Dimensions: [mm]



B Recommended hole pattern: [mm]



Scale - 1:1,5

C Schematic:



Scale - 1:1,5



D Electrical Properties:

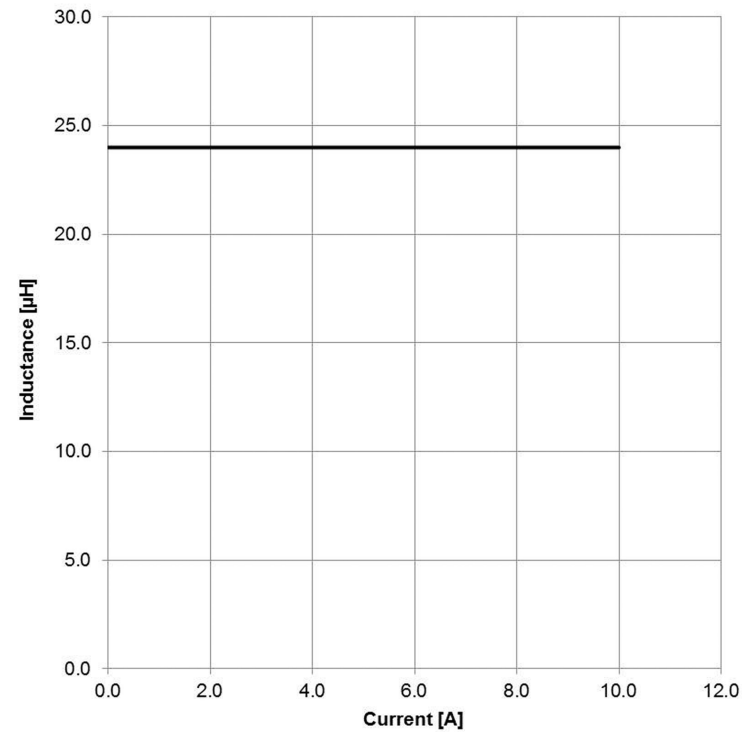
Properties	Test conditions		Value	Unit	Tol.
Inductance	125 kHz/ 10 mA	L	24	μ H	$\pm 10\%$
Q-factor	125 kHz/ 10 mA	Q	90		typ.
Rated current	$\Delta T = 40$ K	I_R	6.0	A	max.
Saturation current		I_{sat}	10.0	A	typ.
DC Resistance	@ 20°C	R_{DC}	0.07	Ω	typ.
DC Resistance	@ 20°C	R_{DC}	0.1	Ω	max.
Self resonant frequency		f_{res}	6	MHz	

E General information:

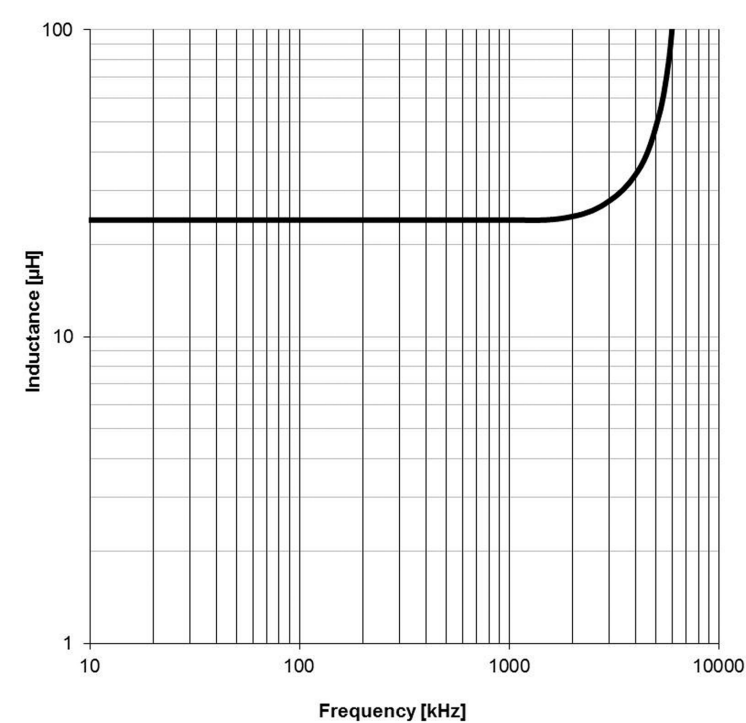
- It is recommended that the temperature of the part does not exceed +105°C under worst case conditions.
- Storage Temperature: -20°C to 60°C
 - Operating Temperature: -20°C to 105°C
 - Test conditions of Electrical Properties: 20°C, 33% RH if not specified differently
 - Transmitter A1 according to Qi standard

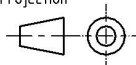


F1 Typical Inductance vs. Current Characteristics:



F2 Typical Inductance vs. Frequency Characteristics:

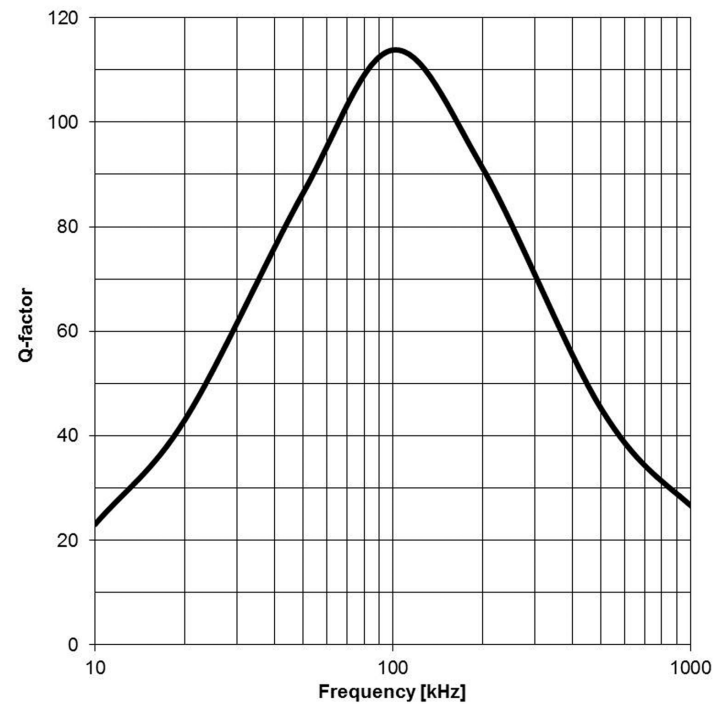


				Projection 		DESCRIPTION			
1.12	2014-10-07	SSt	SSt			WE-WPCC Wireless Power Charging Transmitter Coil			
1.11	2014-08-11	SSt	CSo						
1.10	2013-12-18	SSt	SSt	Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com			Order.- No.	 COMPLIANT RoHS&REACH WÜRTH ELEKTRONIK	SIZE
1.9	2013-07-15	SSt	00				760308101		A4
1.8	2013-04-15	SSt	00						
1.7	2013-04-11	SSt	00						
1.6	2013-02-13	SSt	00				Size: 5353		
REV	DATE	BY	CHECKED						

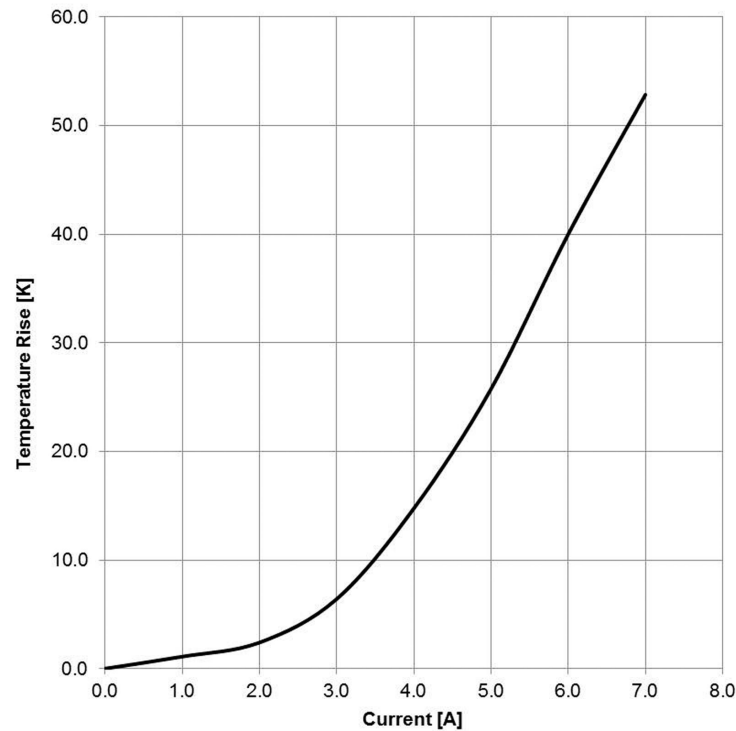
This electronic component has been designed and developed for usage in general electronic equipment only. This product is not authorized for use in equipment where a higher safety standard and reliability standard is especially required or where a failure of the product is reasonably expected to cause severe personal injury or death, unless the parties have executed an agreement specifically governing such use. Moreover Würth Elektronik eiSos GmbH & Co KG products are neither designed nor intended for use in areas such as military, aerospace, aviation, nuclear control, submarine, transportation (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc.. Würth Elektronik eiSos 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 electrical circuits that require high safety and reliability functions or performance.

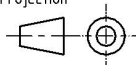


F3 Typical Q-factor vs. Frequency Characteristics:



F4 Typical Temperature Rise vs. Current Characteristics:



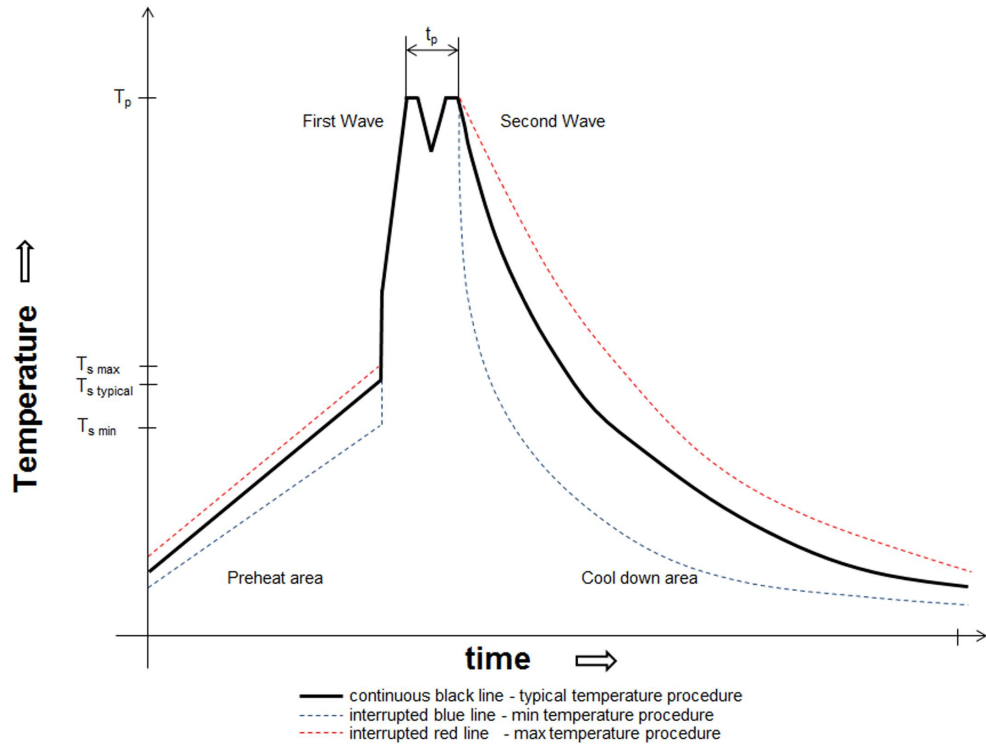
				Projection 		DESCRIPTION			
1.12	2014-10-07	SSt	SSt			WE-WPCC Wireless Power Charging Transmitter Coil			
1.11	2014-08-11	SSt	CS0						
1.10	2013-12-18	SSt	SSt	Würth Elektronik eiSos GmbH & Co. KG EMC & Inductive Solutions Max-Eyth-Str. 1 74638 Waldenburg Germany Tel. +49 (0) 79 42 945 - 0 www.we-online.com eiSos@we-online.com		Order.- No.		 COMPLIANT RoHS&REACH WÜRTH ELEKTRONIK	SIZE
1.9	2013-07-15	SSt	00			760308101			 COMPLIANT RoHS&REACH WÜRTH ELEKTRONIK
1.8	2013-04-15	SSt	00						
1.7	2013-04-11	SSt	00						
1.6	2013-02-13	SSt	00			Size: 5353			
REV	DATE	BY	CHECKED						

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H Soldering Specifications:



H4: Classification Wave Soldering Profile:



H5: Classification Wave Profile

Profile Feature	Pb-Free Assembly	Sn-Pb Assembly
Preheat - Temperature Min (T_{smin}) - Temperature Typical ($T_{stypical}$) - Temperature Max (T_{smax}) - Time (t_s) from (T_{smin} to T_{smax})	100°C 120°C 130°C 70 seconds	100°C 120°C 130°C 70 seconds
Δ preheat to max Temperature	150°C max.	150°C max.
Peak temperature (T_p)	250°C - 260°C	235°C - 260°C
Time of actual peak temperature (t_p)	max. 10 seconds max. 5 second each wave	max. 10 seconds max. 5 second each wave
Ramp-down rate - Min - Typical - Max	~ 2 K/s ~ 3.5 K/s ~ 5 K/s	~ 2 K/s ~ 3.5 K/s ~ 5 K/s
Time 25°C to 25°C	4 minutes	4 minutes

refer to EN 61760-1:2006

