

Spezifikation für Freigabe / specification for release

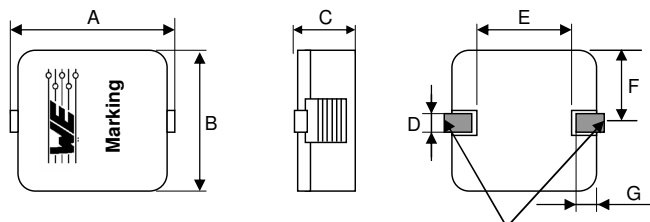
Kunde / customer :
 Artikelnummer / part number : **744314047**



Bezeichnung : **SPEICHERDROSSEL WE-HC**
 description : **POWER-CHOKE WE-HC**

DATUM / DATE : 2008-01-01

A Mechanische Abmessungen / dimensions :



RDC is measured at these points

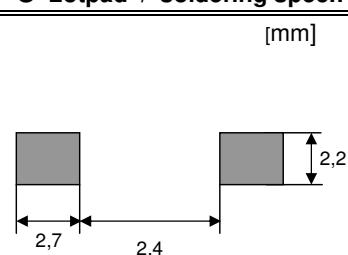
Dimension	Value	Unit
A	$7,0 \pm 0,3$	mm
B	$6,9 \pm 0,3$	mm
C	$4,8 +0,2/-0,3$	mm
D	$1,2 \pm 0,3$	mm
E	$2,5 \pm 0,3$	mm
F	$3,45 \pm 0,3$	mm
G	$1,8 \pm 0,3$	mm

Marking = part number

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Lerrlaufinduktivität / initial inductance	100 kHz / 0,1A	L_0	0,47	μH	$\pm 20\%$
Nenn-Induktivität / rated inductance	100 kHz / 0,1A / 18A	L_N	0,38	μH	typ.
DC-Widerstand / DC-resistance	@ 20 °C	R_{DC}	1,35	m Ω	$\pm 10\%$
Nennstrom / rated current	$\Delta T = 50 \text{ K}$	I_N	18,0	A	typ.
Sättigungsstrom / saturation current	$\Delta L/L_0 = 30 \%$	I_{sat}	20,0	A	typ.
Eigenres.-Frequenz / self-res.-frequency		SRF	235	MHz	typ.

C Lötpad / soldering spec.:



D Prüfgeräte / test equipment :

WAYNE KERR 3260B für/for L_0 ; R_{DC} ; I_{SAT} ; I_N

E Testbedingungen / test conditions :

Luftfeuchtigkeit / humidity: 33%
 Umgebungstemperatur / temperature: +20 °C

F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material: WE-Superflux
 Draht / wire: AIEIW-200
 coating: black

G Eigenschaften / general specifications :

Arbeitstemperatur / operating temperature: -40 °C - +150 °C
 Umgebungstemp. / ambient temperature: -40 °C - +100 °C
 It is recommended that the temperature of the part does not exceed 150 °C under worst case operating conditions.

Freigabe erteilt / general release:	Kunde / customer			
Datum / date	Unterschrift / signature			
	Würth Elektronik			
		ME	Version 2	08-01-01
		ME	Version 1	06-09-27
Geprüft / checked	Kontrolliert / approved	Name	Änderung / modification	Datum / date

Würth Elektronik eiSos GmbH & Co. KG

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<http://www.we-online.de>

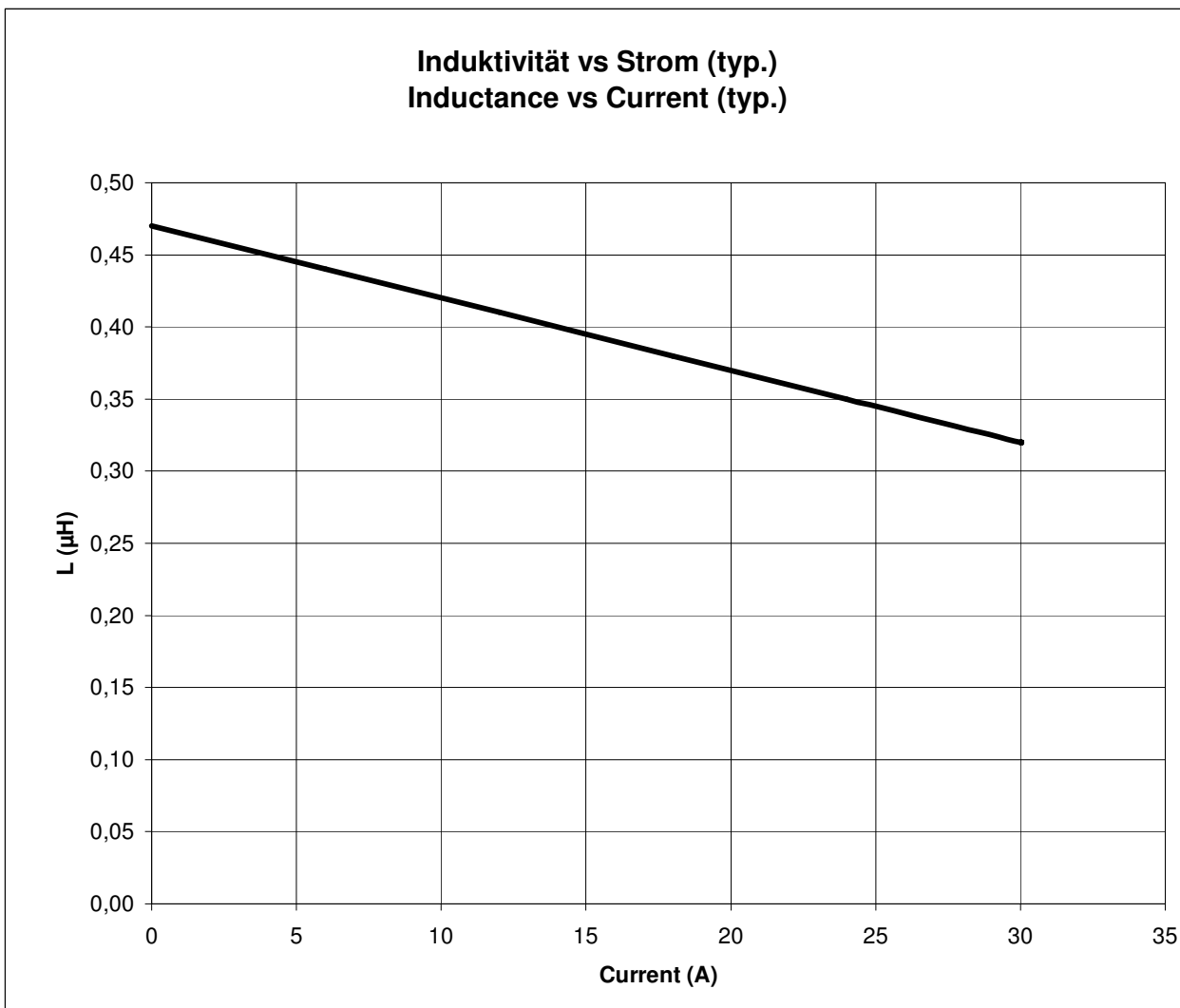
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H Induktivitätskurve / Inductance curve :



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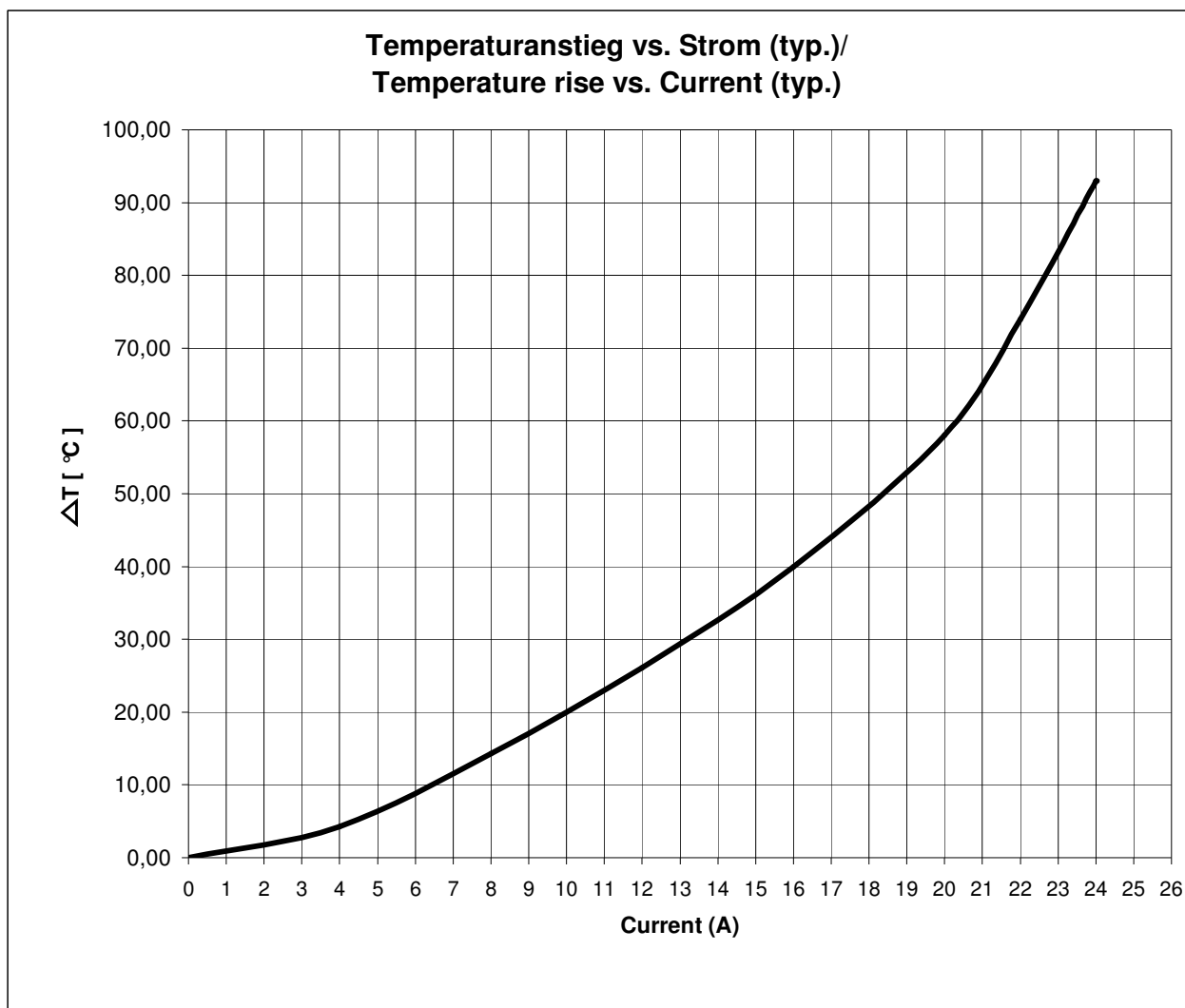
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I Temperaturanstieg / Temperature rise curve :



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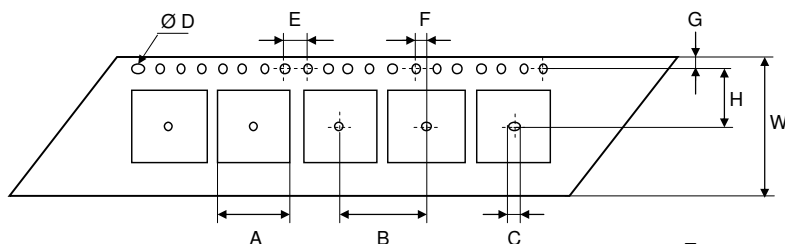
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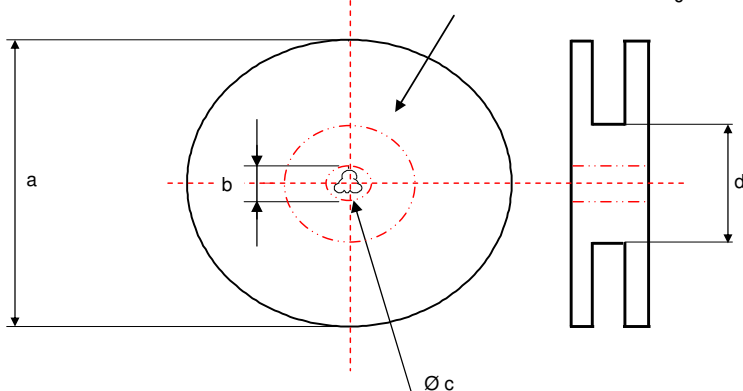
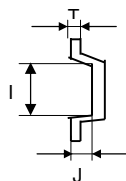
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I Rollenspezifikation / tape and reel specification :



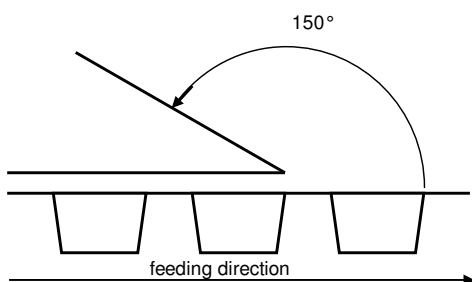
Gurtspezifikation / Tape specification:

A	7,3 ± 0,1	mm
B	12,0 ± 0,1	mm
C	1,5 min.	mm
D	1,5^{+0,1}_{-0,0}	mm
E	4,0 ± 0,1	mm
F	2,0 ± 0,1	mm
G	1,75 ± 0,1	mm
I	7,6 ± 0,1	mm
J	5,2 ± 0,1	mm
W	16,0 ± 0,3	mm



Rollenspezifikation / Reel specification:

a	330,0 ± 2,0	mm
b	21,0 ± 0,8	mm
c	13,00 ± 0,5	mm
d	100,0 ± 1,5	mm



The Force for tearing off cover tape is
 20 to 70 grams in arrow direction

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This electronic component has been designed and developed for usage in general electronic equipment. Before incorporating this component into any equipment where higher safety and reliability is especially required or if there is the possibility of direct damage or injury to human body, for example in the range of 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 must be informed 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.

Würth Elektronik eiSos GmbH & Co. KG

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