

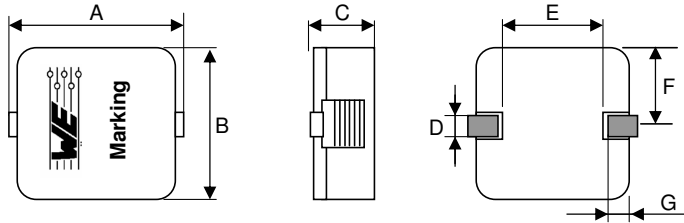
# Spezifikation für Freigabe / specification for release

Kunde / customer :  
 Artikelnummer / part number : **7443556560**  
 Bezeichnung : **SPEICHERDROSSEL WE-HCB**  
 description : **POWER-CHOKE WE-HCB**



DATUM / DATE : 2008-05-28

## A Mechanische Abmessungen / dimensions:



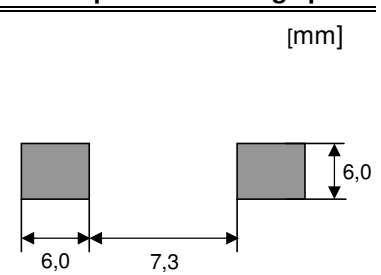
A	<b>18,3 ± 1,0</b>	mm
B	<b>18,2 ± 0,5</b>	mm
C	<b>8,9 ± 0,3</b>	mm
D	<b>4,2 ± 0,5</b>	mm
E	<b>8,0 ± 1,0</b>	mm
F	<b>9,0 ± 1,0</b>	mm
G	<b>5,0 ± 1,0</b>	mm

Marking = part number

## B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Leerlaufinduktivität / initial inductance	<b>100 kHz / 10mA</b>	$L_0$	<b>5,60</b>	$\mu\text{H}$	<b>± 20%</b>
DC-Widerstand / DC-resistance	<b>@ 20° C</b>	$R_{DC}$	<b>3,70</b>	$\text{m}\Omega$	<b>± 8%</b>
Nennstrom / rated current	<b><math>\Delta T = 50 \text{ K}</math></b>	$I_N$	<b>19,0</b>	A	<b>typ.</b>
Sättigungsstrom / saturation current	<b><math>\Delta L / L_0 = 30 \%</math></b>	$I_{sat}$	<b>33</b>	A	<b>typ.</b>
Eigenres.-Frequenz / self-res.-frequency		SRF	<b>28</b>	MHz	<b>typ.</b>

## 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-Perm2  
 Draht / wire: Polyamide/Imid coating

## G Eigenschaften / general specifications:

Arbeitstemperatur / operating temperature: -40°C - +125°C  
 Umgebungstemp. / ambient temperature: -40°C - +75°C  
 It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.  
 When exposed to shock and vibration stress, it is recommended to fix the device by separate means (such as glue, fasteners, etc).

Freigabe erteilt / general release:	<b>Kunde / customer</b>			
	Unterschrift / signature			
Datum / date	<b>Würth Elektronik</b>			
	Kontrolliert / approved	Rst	Version 2	08-02-28
		Rst	Version 1	08-02-18
Geprüft / checked		Name	<b>Änderung / modification</b>	Datum / date

### Würth Elektronik eiSos GmbH & Co. KG

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

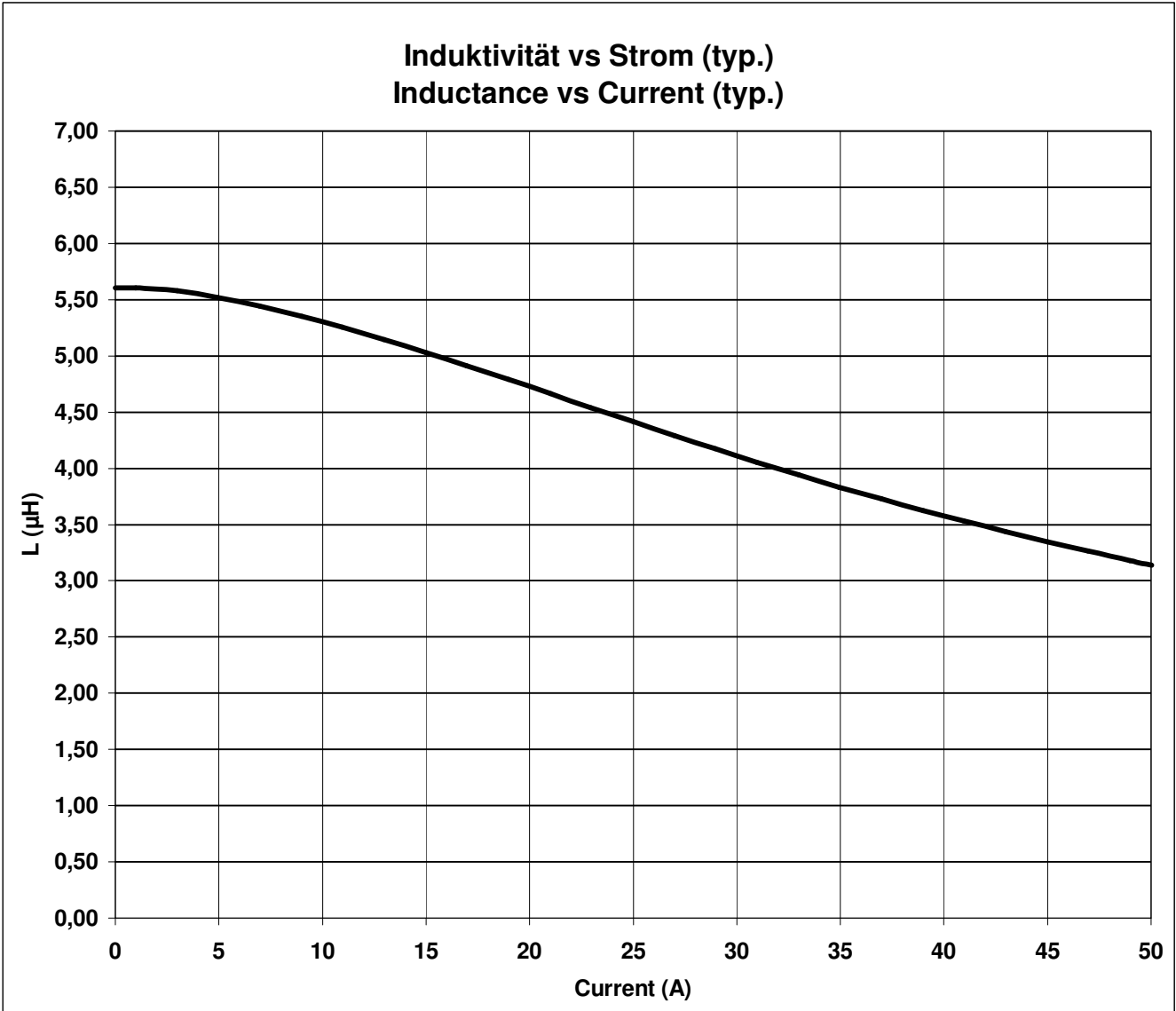
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## H Induktivitätskurve / Inductance curve:



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.....	.....			
Datum / date	Unterschrift / signature			
	<b>Würth Elektronik</b>			
.....	.....	Rst	Version 2	08-02-28
Geprüft / checked	Kontrolliert / approved	Rst	Version 1	08-02-18
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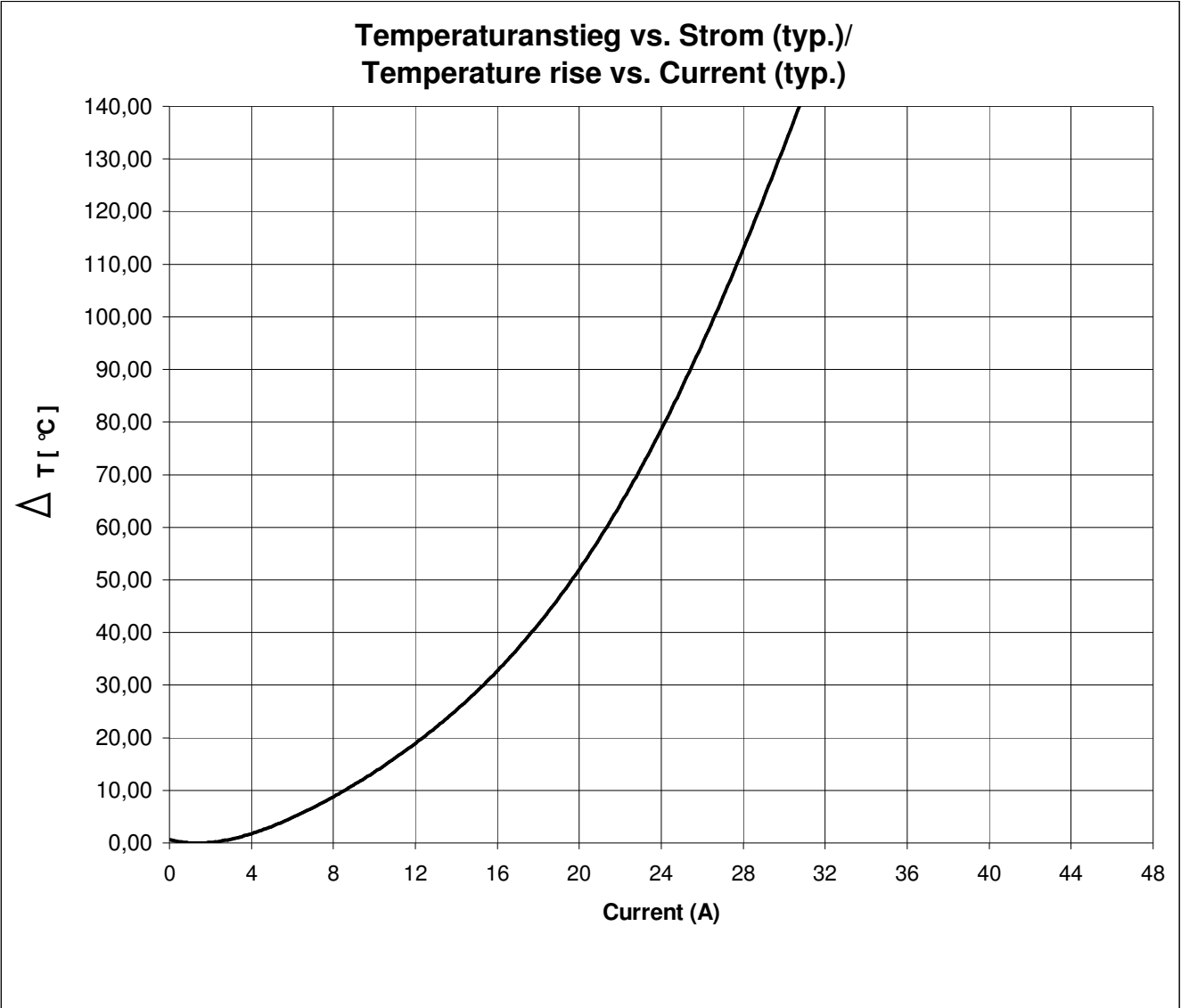
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## I Temperaturanstieg / Temperature rise curve:



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	<b>Würth Elektronik</b>			
Geprüft / checked	Kontrolliert / approved	Rst	Version 2	08-02-28
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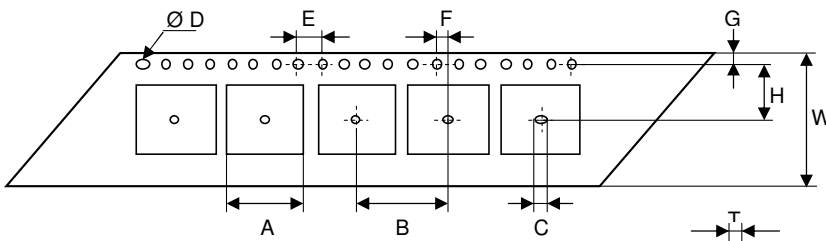
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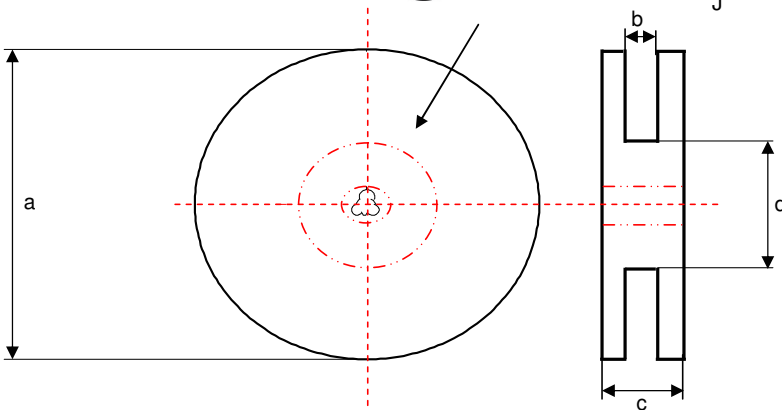
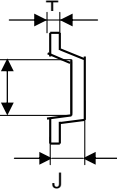
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## I Rollenspezifikation / tape and reel specification:



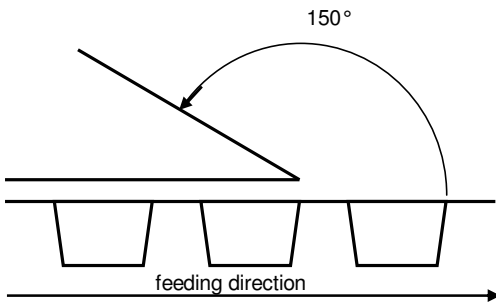
## Gurtspezifikation / Tape specification:

A	<b>19,3 ± 0,15</b>	mm
B	<b>32,0 ± 0,1</b>	mm
C	<b>2,00 typ</b>	mm
D	<b>1,50 min</b>	mm
E	<b>4,00 ± 0,1</b>	mm
F	<b>2,00 ± 0,1</b>	mm
G	<b>1,75 ± 0,1</b>	mm
H	<b>14,2 ± 0,1</b>	mm
I	<b>18,65 ± 0,15</b>	mm
J	<b>10,50 ± 0,15</b>	mm
T	<b>0,40 ± 0,05</b>	mm
W	<b>32,0 ± 0,3</b>	mm



## Rollenspezifikation / Reel specification:

a	<b>330,0 ± 2,0</b>	mm
b	<b>32,5 ± 0,8</b>	mm
c	<b>37,5 ± 0,5</b>	mm
d	<b>100,0 ± 1,5</b>	mm



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

Freigabe erteilt / general release:	Kunde / customer		
	Datum / date	Unterschrift / signature	
Geprüft / checked	Würth Elektronik	Rst	Version 2
	Kontrolliert / approved	Rst	Version 1 08-02-18
		Name	Änderung / modification Datum / date

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.

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