

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7443552200

LF



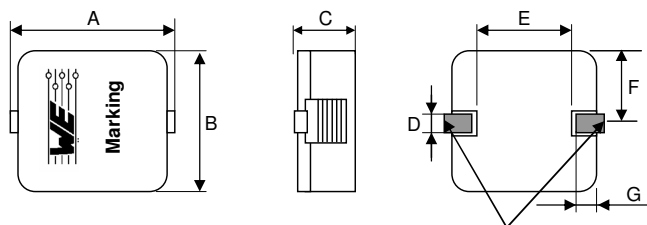
Bezeichnung : SPEICHERDROSSEL WE-HCA

description : POWER-CHOKE WE-HCA

WÜRTH ELEKTRONIK

DATUM / DATE : 2008-01-01

A Mechanische Abmessungen / dimensions :



RDC is measured at these points

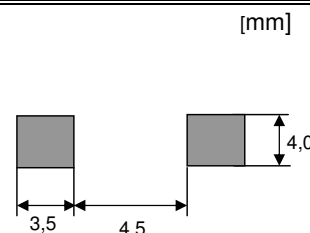
Abmessung / Dimension	Wert / Value	Einheit / Unit
A	10,5 ± 0,5	mm
B	10,2 ± 0,5	mm
C	4,0 ± 0,2	mm
D	2,0 +1,0 / -0,5	mm
E	4,2 ± 0,5	mm
F	5,1 ± 0,45	mm
G	2,0 ± 0,5	mm

Marking = part number

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions	Wert / value	Einheit / unit	tol.
Lerrlaufinduktivität / initial inductance	100 kHz / 0,1V	L ₀	2,00	μH ± 20%
Nenn-Induktivität / rated inductance	100 kHz / 0,1V / 11A	L _N	1,48	μH typ.
DC-Widerstand / DC-resistance	@ 20 °C	R _{DC}	7,30	mΩ ± 10
Nennstrom / rated current	ΔT= 50 K	I _N	11,0	A typ.
Sättigungsstrom / saturation current	ΔL/L ₀ = 30 %	I _{sat}	13,0	A typ.
Eigenres.-Frequenz / self-res.-frequency		SRF	53	MHz typ.

C Lötpad / soldering spec.:



D Prüfgeräte / test equipment :

WAYNE KERR 3260B für/for L₀; 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-Perm
Draht / wire: AIEIW-200

G Eigenschaften / general specifications :

Arbeitstemperatur / operating temperature: -40 °C - +155 °C
Umgebungstemp. / ambient temperature: -40 °C - +105 °C
It is recommended that the temperature of the part does not exceed 155 °C under worst case operating conditions.

Freigabe erteilt / general release:	Kunde / customer	Version	Datum / date
		ME	Version 7
		RSt	Version 6
		ME	Version 5
		ME	Version 4
		ME	Version 3
		ME	Version 2
		ME	Version 1
		Name	Änderung / modification
			Datum / date

Würth Elektronik eiSos GmbH & Co. KG

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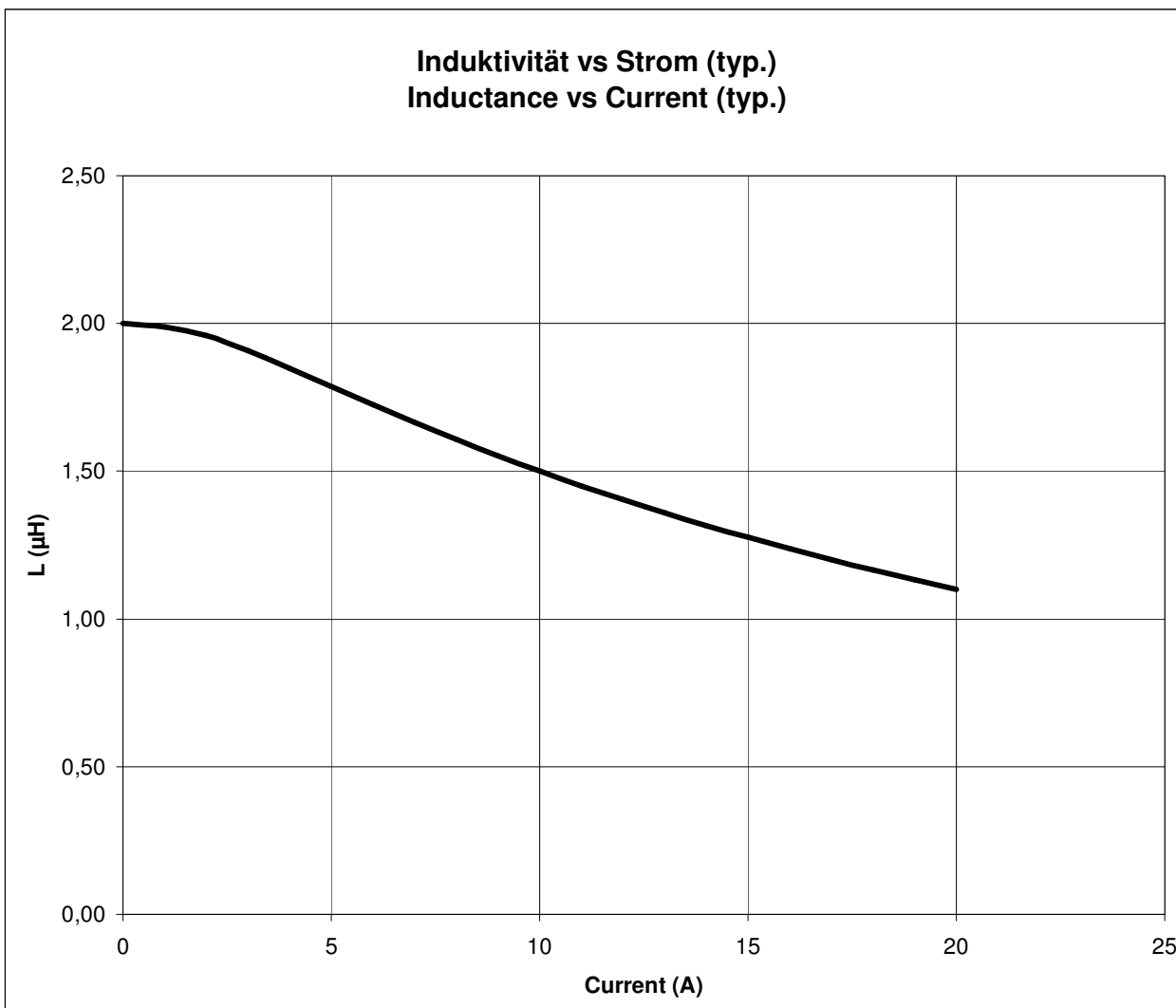
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DATUM / DATE : 2008-01-01

H Induktivitätskurve / Inductance curve :



Freigabe erteilt / general release:	Kunde / customer				
			ME	Version 7	08-01-01
			RSt	Version 6	06-01-19
			ME	Version 5	05-12-06
Datum / date	Unterschrift / signature		ME	Version 4	05-04-16
	Würth Elektronik		ME	Version 3	05-03-30
			ME	Version 2	05-03-16
			ME	Version 1	05-01-15
			Name	Änderung / modification	Datum / date
Geprüft / checked	Kontrolliert / approved				

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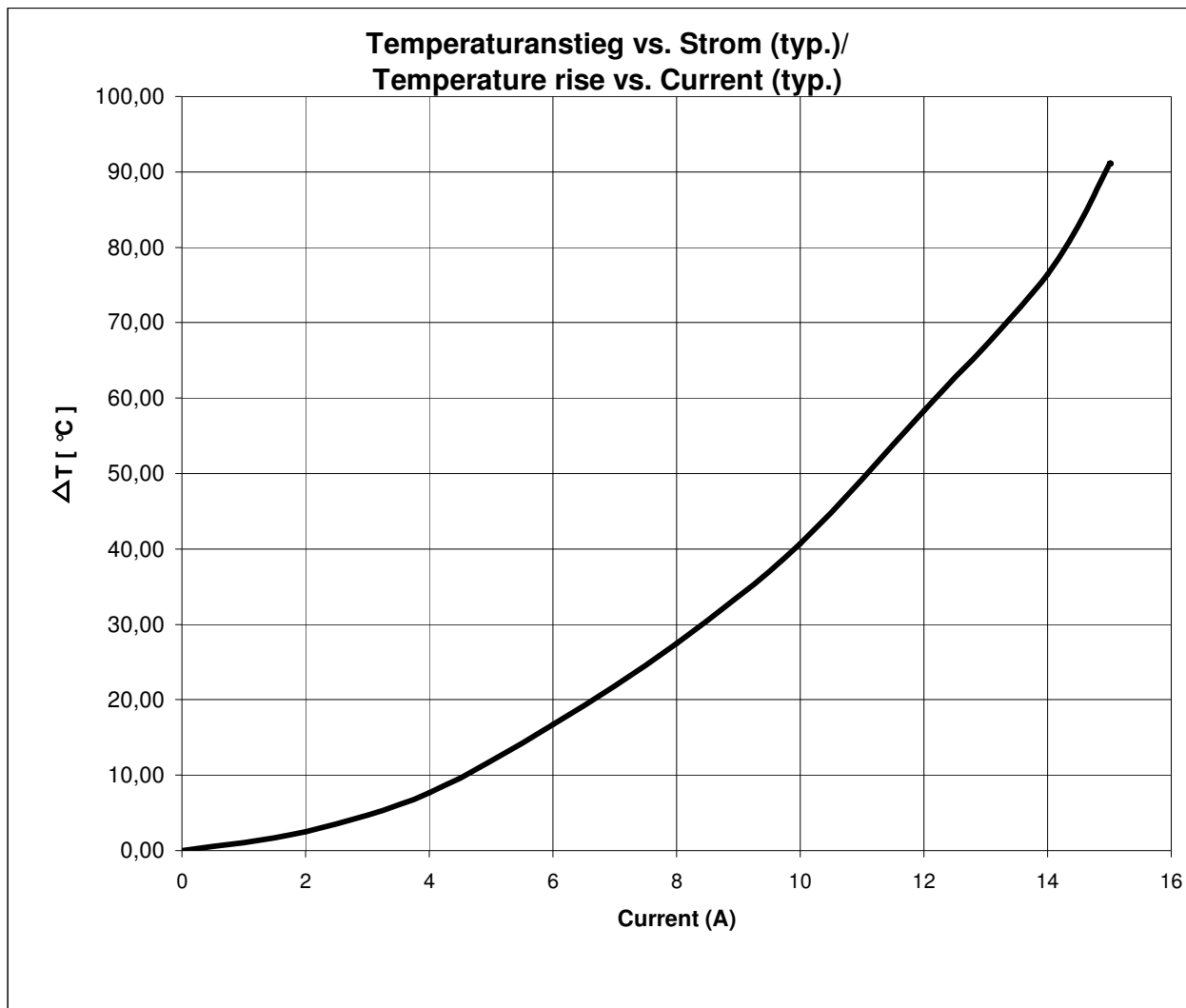
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Bezeichnung :

description :

I Temperaturanstieg / Temperature rise curve :



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			RSt	Version 6
			ME	Version 5
Datum / date	Unterschrift / signature		ME	Version 4
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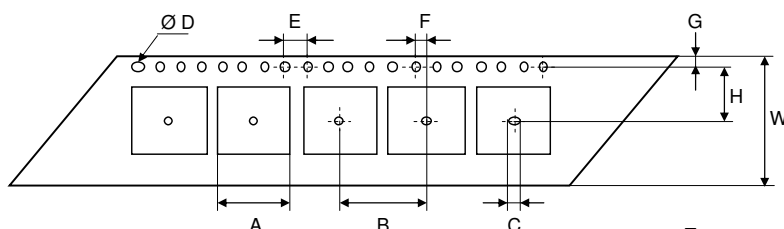


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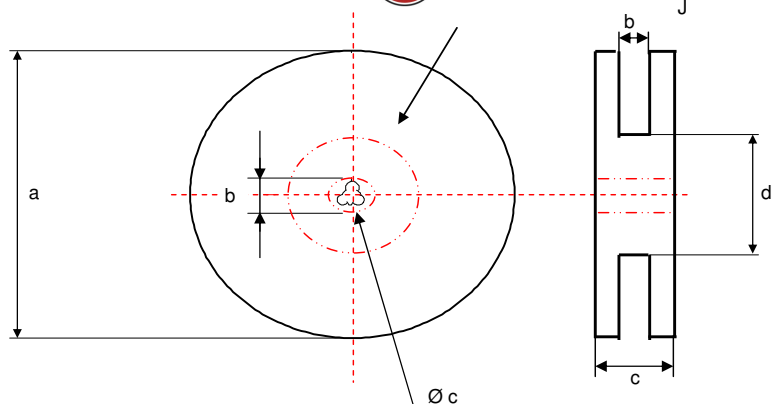
DATUM / DATE : 2008-01-01

I Rollenspezifikation / tape and reel specification :



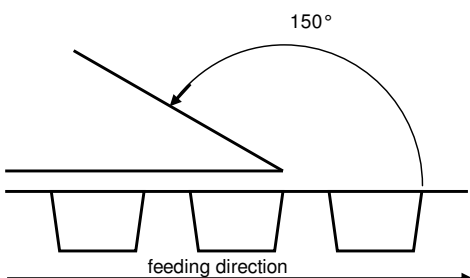
Gurtspezifikation / Tape specification:

A	11,4 ± 0,1	mm
B	16,0 ± 0,1	mm
C	1,50 ^{+0,1} _{-0,0}	mm
D	1,55 ^{+0,05} _{-0,05}	mm
E	4,00 ± 0,1	mm
F	2,00 ± 0,1	mm
G	1,75 ± 0,1	mm
H	11,5 ± 0,1	mm
I	10,7 ± 0,1	mm
J	4,20 ± 0,1	mm
T	0,35 ± 0,05	mm
W	24,0 ± 0,3	mm



Rollenspezifikation / Reel specification:

a	330,00 ± 2,0	mm
b	24,5 ± 0,8	mm
c	29,50 ± 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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Kunde / customer				
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		ME	Version 4	05-04-16
		ME	Version 3	05-03-30
		ME	Version 2	05-03-16
		ME	Version 1	05-01-15
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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.

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