

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : 7443551181

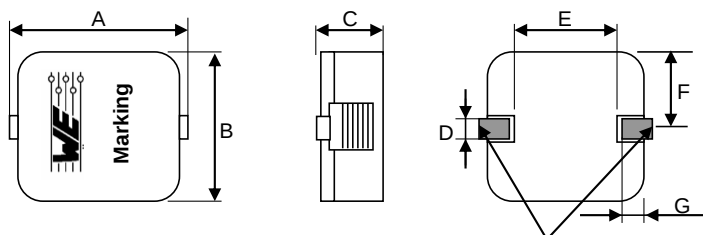
Bezeichnung : SPEICHERDROSSEL WE-HCI

description : POWER-CHOKE WE-HCI



DATUM / DATE : 2010-07-22

A Mechanische Abmessungen / dimensions:



RDC is measured at these points

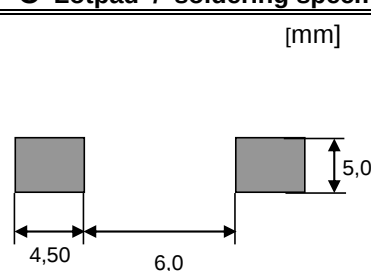
Dimension	Value	Unit
A	13,2 ± 1,0	mm
B	12,8 ± 0,5	mm
C	6,2 ± 0,3	mm
D	2,0 +1,0 / -0,5	mm
E	6,0 ± 0,5	mm
F	6,4 ± 0,5	mm
G	3,0 ± 1,0	mm

Marking = part number

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Lerrlaufinduktivität / initial inductance	100 kHz / 10mA	L_0	18,00	μH	± 20%
Nenn-Induktivität / rated inductance	100 kHz / 10mA / 7,5A	L_N	13,00	μH	typ.
DC-Widerstand / DC-resistance	@ 20° C	R_{DC}	22,00	mΩ	± 10%
Nennstrom / rated current	ΔT= 50 K	I_N	7,5	A	typ.
Sättigungsstrom / saturation current	ΔL/ L_0 = 30 %	I_{sat}	7,5	A	typ.
Eigenres.-Frequenz / self-res.-frequency		SRF	16,0	MHz	typ.

C Lötpad / soldering spec.:



D Prüfgeräte / test equipment:

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

HP 34401 A & Fluke 54II für/for I_{DC} ;

Metra HIT 27I für/for R_{DC}

E Testbedingungen / test conditions:

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

F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material:	WE-Perm
Draht / wire:	AIW-100; Class H(200°)

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 155°C under worst case operating conditions.	

Freigabe erteilt / general release:	Kunde / customer			
Datum / date	Unterschrift / signature			
	Würth Elektronik			
Geprüft / checked	Kontrolliert / approved	BD	Version 1	10-07-22
		Name	Änderung / modification	Datum / date

Würth Elektronik eiSos GmbH & Co. KG

D-74638 Waldenburg · Max-Eyth-Strasse 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400
http://www.we-online.de

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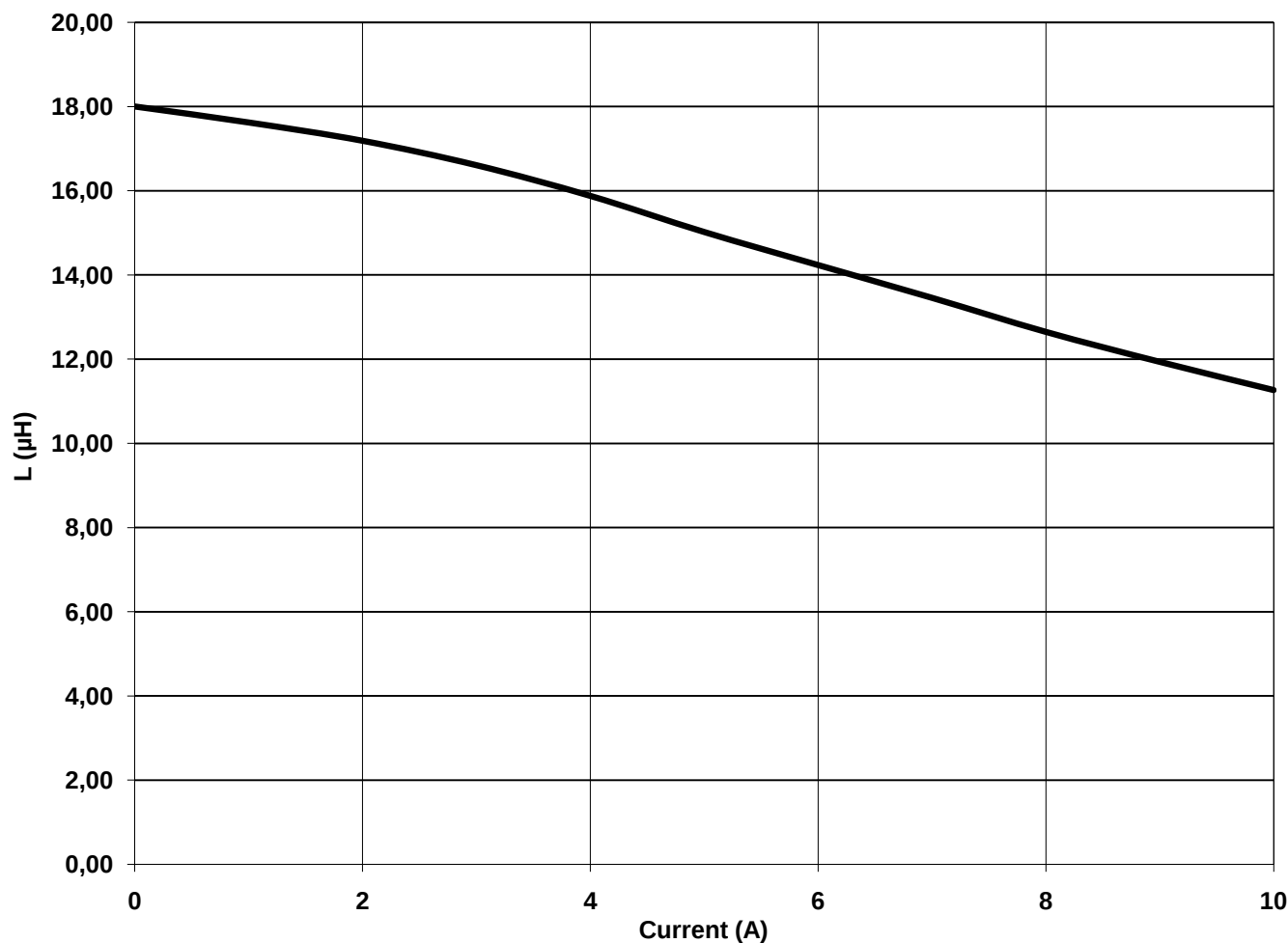
description : **POWER-CHOKE WE-HCI**

WÜRTH ELEKTRONIK

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H Induktivitätskurve / Inductance curve:

Induktivität vs Strom (typ.)
Inductance vs Current (typ.)



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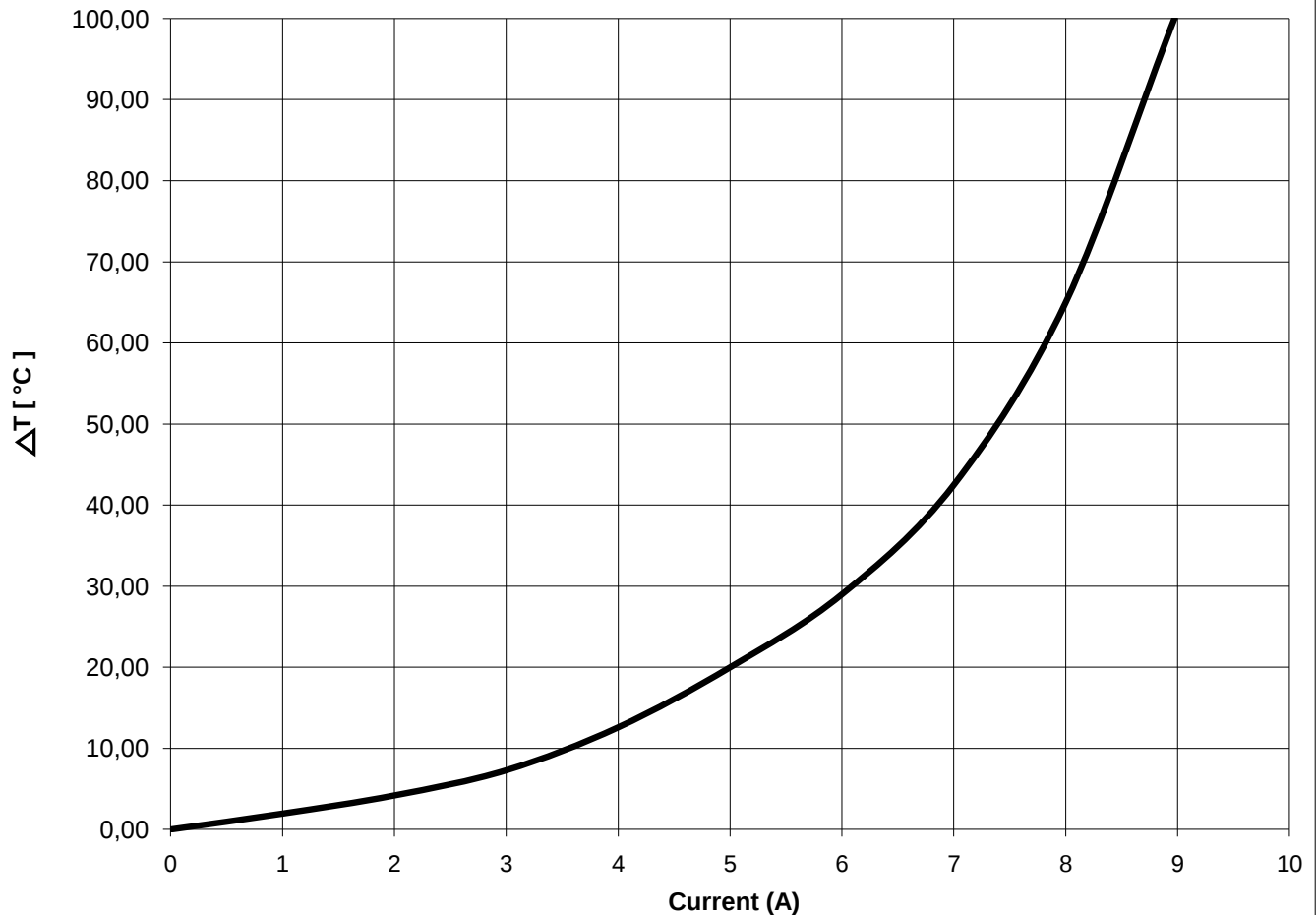
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I Temperaturanstieg / Temperature rise curve:

**Temperaturanstieg vs. Strom (typ.)/
Temperature rise vs. Current (typ.)**



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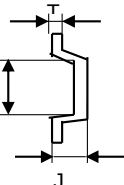
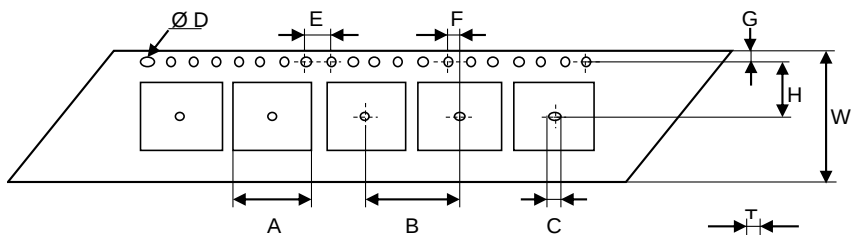
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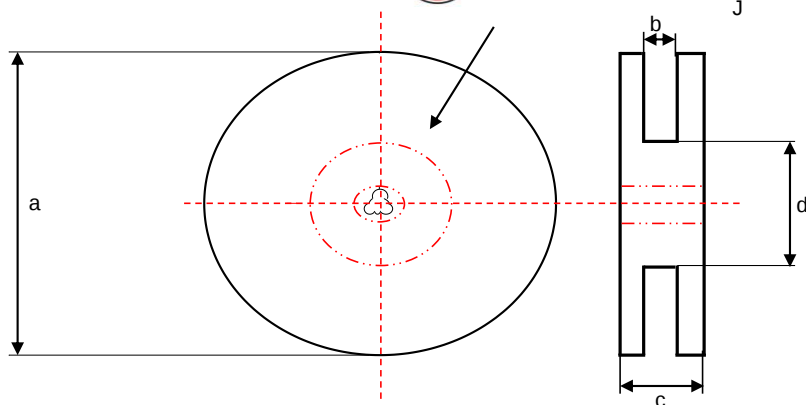
DATUM / DATE : 2010-07-22

I Rollenspezifikation / tape and reel specification:

Gurtspezifikation / Tape specification:

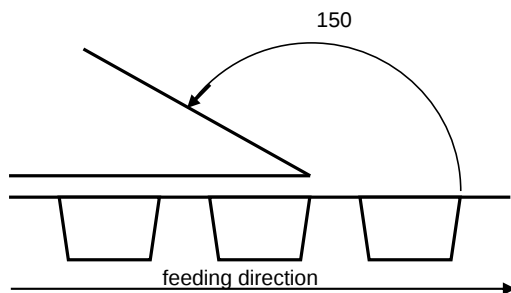


A	14,0 ± 0,1	mm
B	16,0 ± 0,1	mm
C	1,50 ^{+0,1} _{-0,0}	mm
D	1,50 ^{+0,1} _{-0,0}	mm
E	4,00 ± 0,1	mm
F	2,00 ± 0,1	mm
G	1,75 ± 0,1	mm
H	11,5 ± 0,1	mm
I	13,6 ± 0,1	mm
J	6,80 ± 0,1	mm
T	0,40 ± 0,05	mm
W	24,0 ± 0,3	mm



Rollenspezifikation / Reel specification:

a	330,0 ± 2,0	mm
b	24,5 ± 0,8	mm
c	29,5 ± 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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Geprüft / checked

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BD

Version 1

10-07-22

Name

Änderung / modification

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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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