

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

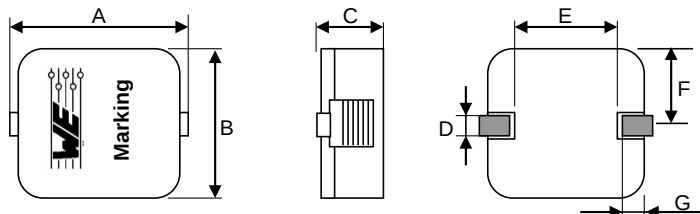
7443557760

Bezeichnung : SPEICHERDROSSEL WE-HCI (Ferrit)

description : POWER-CHOKE WE-HCI (Ferrite)



A Mechanische Abmessungen / dimensions:



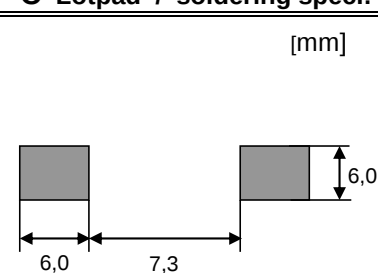
A	18,4 ± 1,0	mm
B	18,4 ± 0,5	mm
C	9,0 ± 0,3	mm
D	3,2 ± 0,5	mm
E	8,0 ref	mm
F	9,0 ref	mm
G	5,0 ref	mm

Marking = part number

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Leerlaufinduktivität / initial inductance	100 kHz / 10mA	L_0	7,60	μH	± 20%
DC-Widerstand / DC-resistance	@ 20°C	R_{DC}	3,75	m Ω	± 8%
Nennstrom / rated current	$\Delta T = 50 \text{ K}$	I_N	20,0	A	max.
Sättigungsstrom / saturation current	$\Delta L/L(\text{Plateau}) = 20 \%$	I_{sat}	20,5	A	typ.
Eigenres.-Frequenz / self-res.-frequency		SRF	20,0	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: MnZn Ferrite
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:	Kunde / customer			
Datum / date	Unterschrift / signature			
	Würth Elektronik			
Geprüft / checked	Kontrolliert / approved	BD	Version 1	10-12-02
		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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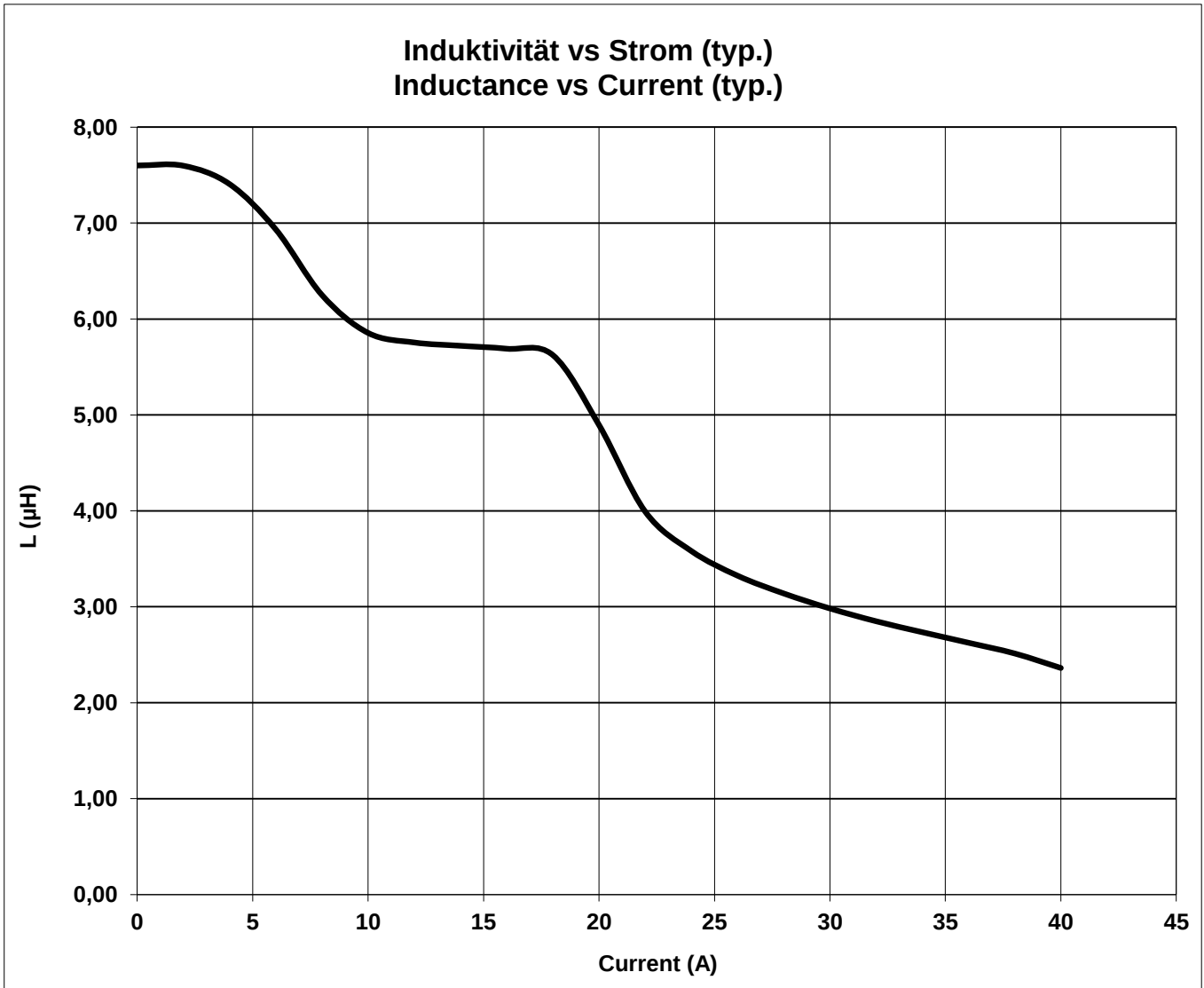
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H Induktivitätskurve / Inductance curve:



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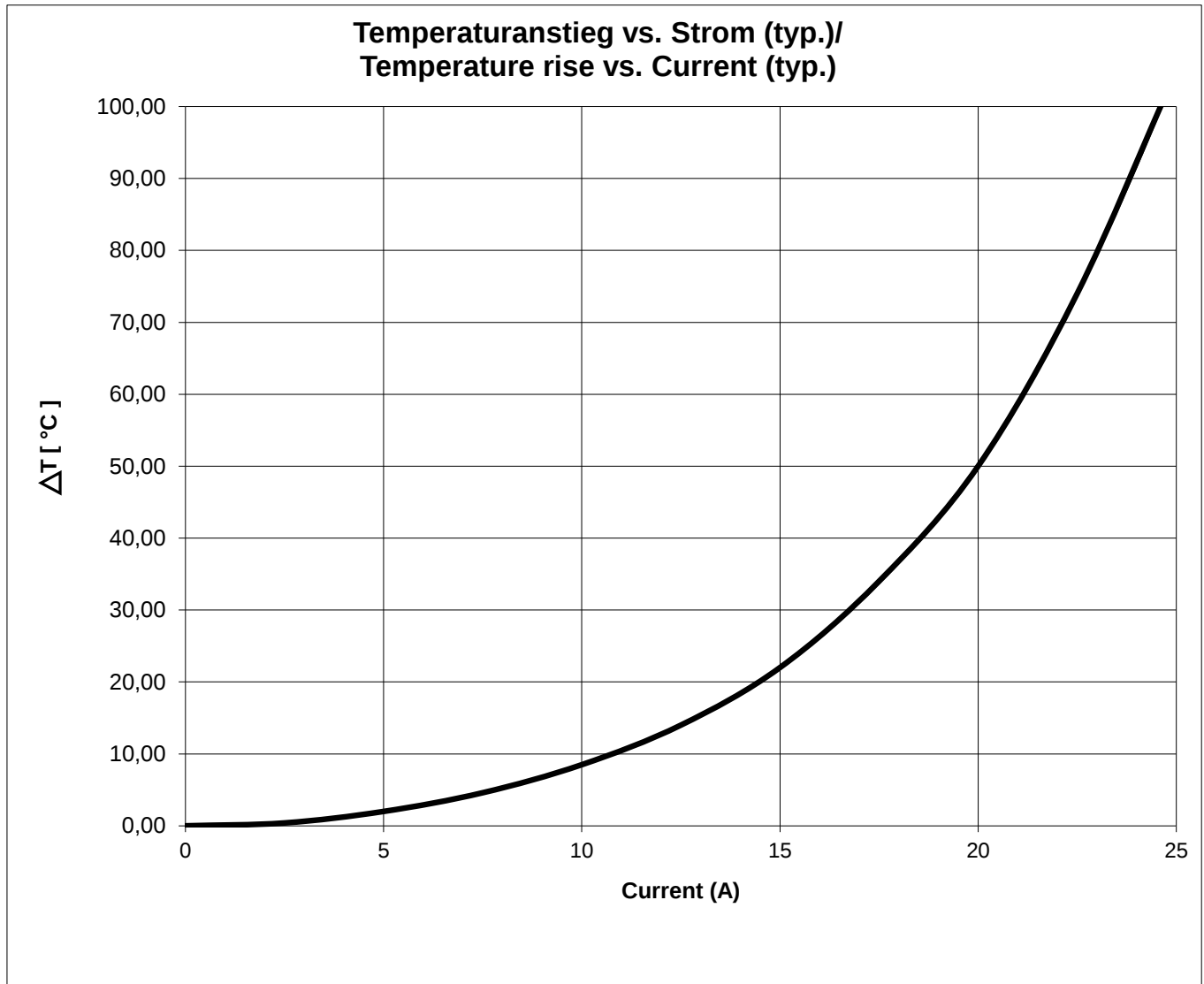
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I Temperaturanstieg / Temperature rise curve:



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Bezeichnung : **SPEICHERDROSSEL WE-HCI (Ferrit)**

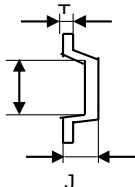
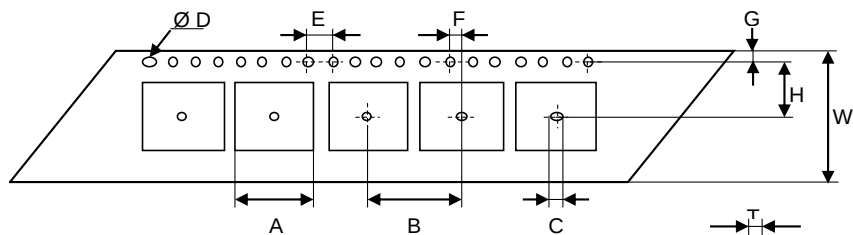
description : **POWER-CHOKE WE-HCI (Ferrite)**



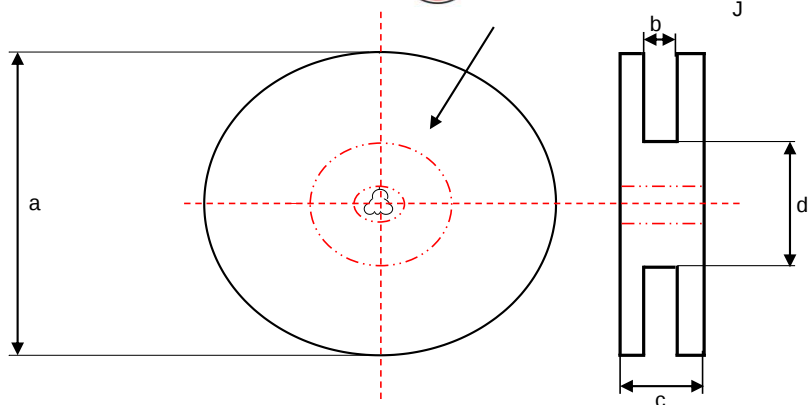
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I Rollenspezifikation / tape and reel specification:

Gurtspezifikation / Tape specification:

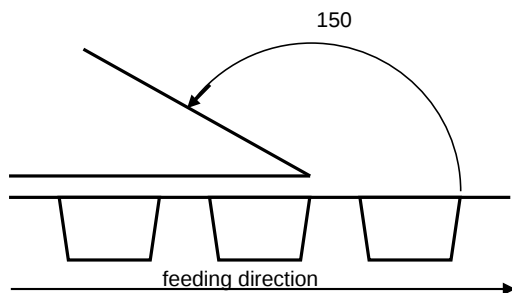


A	19,3 ± 0,15	mm
B	32,0 ± 0,1	mm
C	2,00 typ	mm
D	1,50 min	mm
E	4,00 ± 0,1	mm
F	2,00 ± 0,1	mm
G	1,75 ± 0,1	mm
H	14,2 ± 0,1	mm
I	18,65 ± 0,15	mm
J	10,50 ± 0,15	mm
T	0,40 ± 0,05	mm
W	32,0 ± 0,3	mm



Rollenspezifikation / Reel specification:

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



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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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