Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **7443330220**

Bezeichnung : **SPEICHERDROSSEL WE-HCC 1090 (Ferrit)**

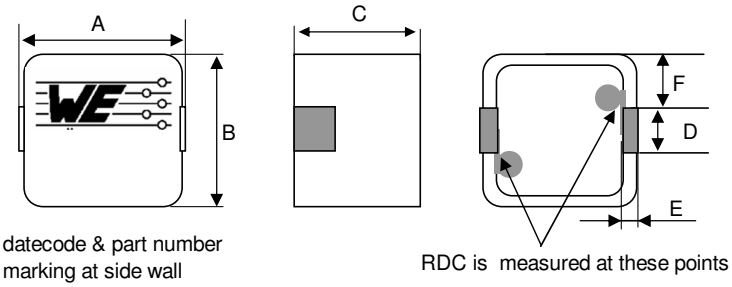
description : **POWER-CHOKE WE-HCC 1090 (Ferrite)**

compliant RoHS WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

DATUM / DATE : 2009-11-03

A Mechanische Abmessungen / dimensions:



datecode & part number marking at side wall

RDC is measured at these points

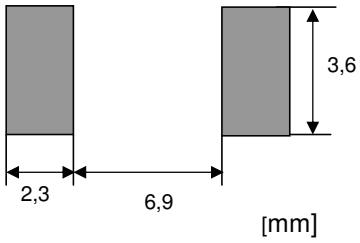
A	**10,9 ± 0,4**	mm
B	**10,0 ± 0,4**	mm
C	**9,3 ± 0,4**	mm
D	**3,0 ± 0,2**	mm
E	**1,6 ± 0,2**	mm
F	**3,5 ± 0,5**	mm

Marking = part number

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Lerrlaufinduktivität/ initial inductance	**100 kHz / 10mA**	L_0	**2,20**	µH	**± 20%**
DC-Widerstand / DC-resistance	**@ 20° C**	R_{DC}	**3,70**	mΩ	**± 10%**
Nennstrom / rated current	**ΔT= 50 K**	I_N	**16,5**	A	**typ.**
Sättigungsstrom/ saturation current	**ΔL/L$_0$= 30 %**	I_{sat}	**22,0**	A	**typ.**
Eigenres.-Frequenz self-res.-frequency		SRF	**80,0**	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:	Ferrite
Draht / wire:	JIS 155°C , UL : E201757

G Eigenschaften / general specifications:

Arbeitstemperatur / operating temperature: -40°C - +125°C

Lagertemp. / storage temperature: -40°C - +60°C

It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.

Freigabe erteilt / general release:

Kunde / customer	
Datum / date	Unterschrift / signature
Würth Elektronik	
Geprüft / checked	Kontrolliert / approved

BD	Version 2	09-11-03
Rst	Version 1	09-05-05
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

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Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : **7443330220** LF

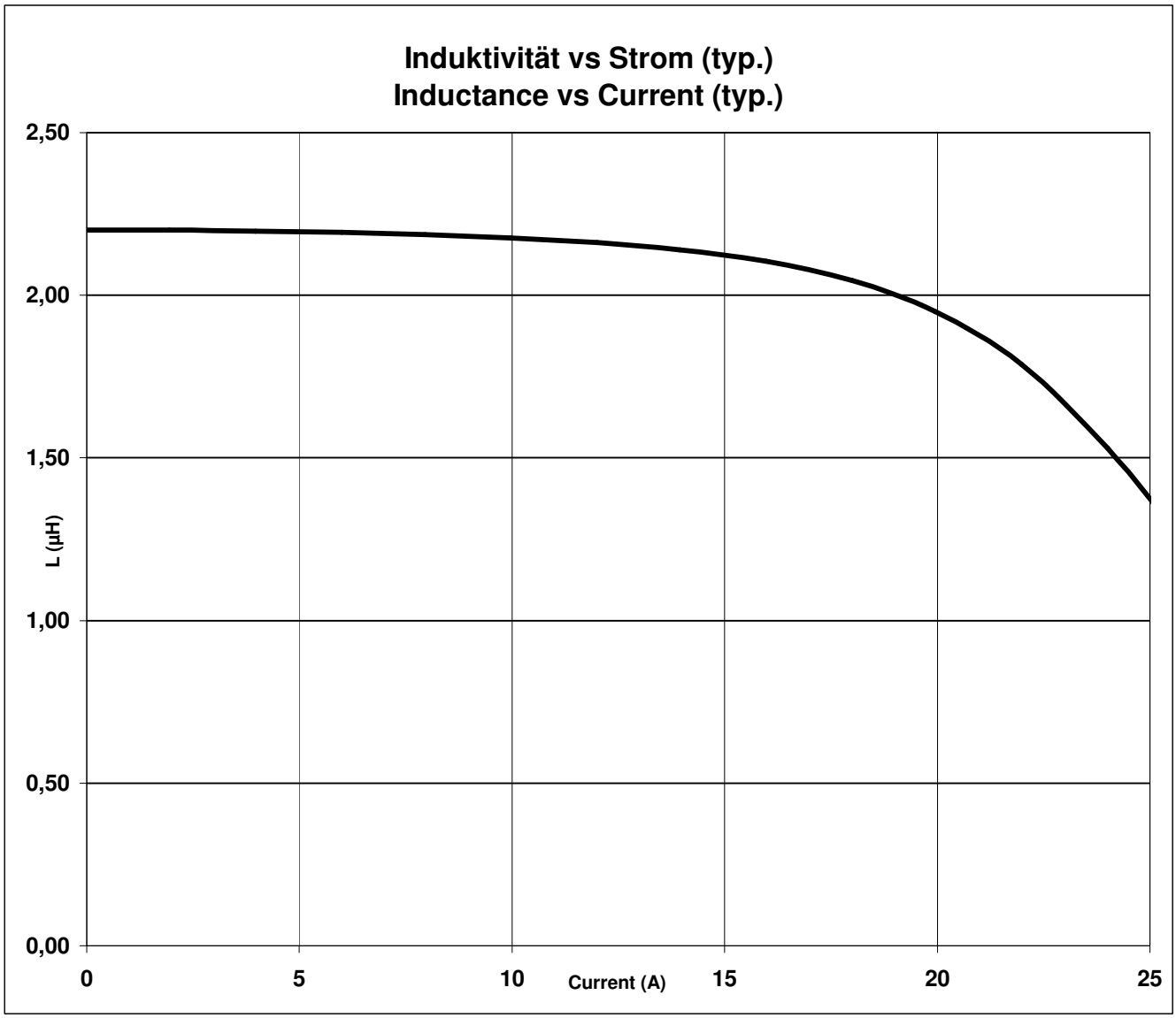
Bezeichnung : **SPEICHERDROSSEL WE-HCC 1090 (Ferrit)**
description : **POWER-CHOKE WE-HCC 1090 (Ferrite)**

compliant RoHS WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

DATUM / DATE : 2009-11-03

H Induktivitätskurve / Inductance curve:



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Datum / date	Unterschrift / signature			
	Würth Elektronik			
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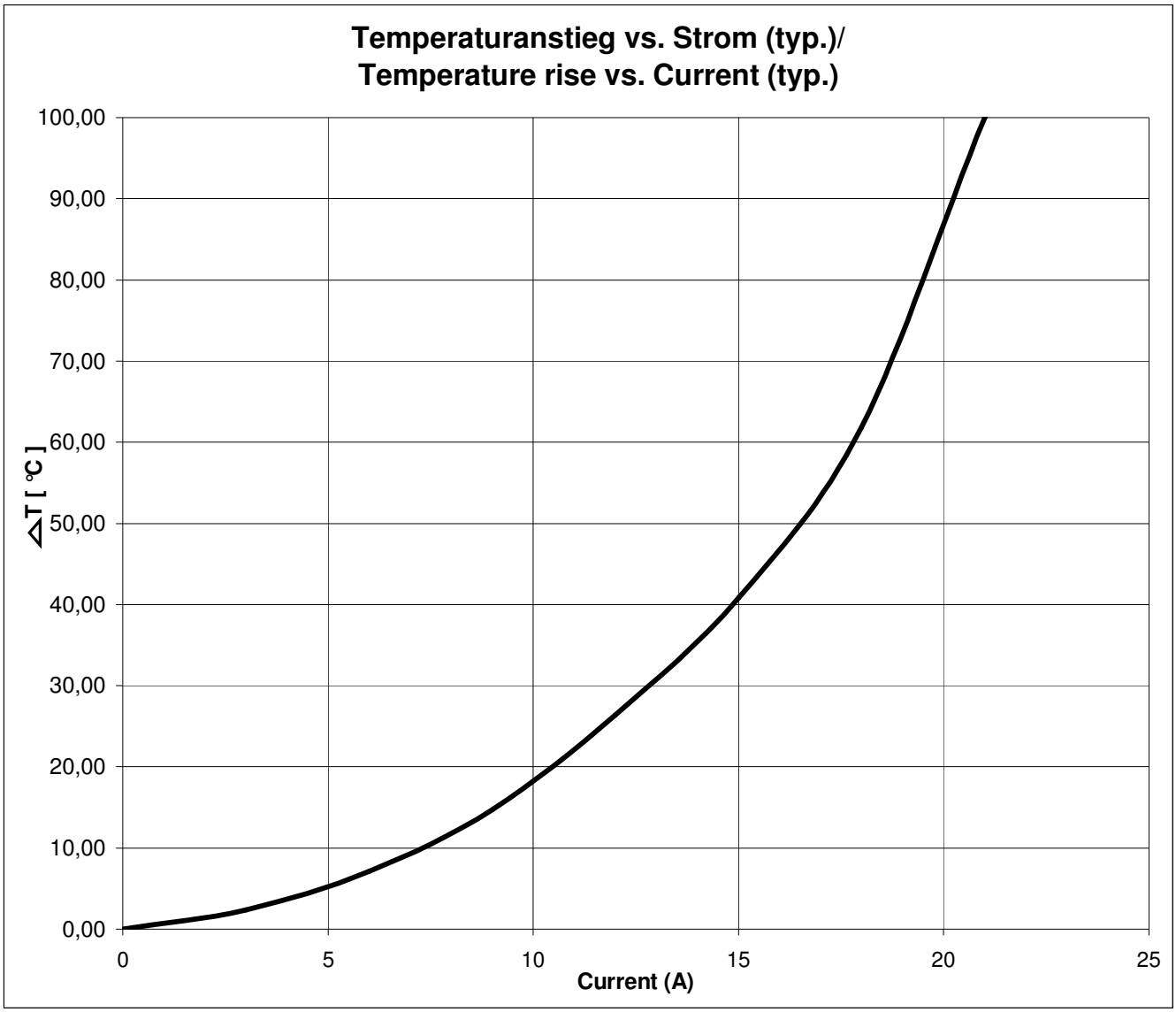
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I Temperaturanstieg / Temperature rise curve:



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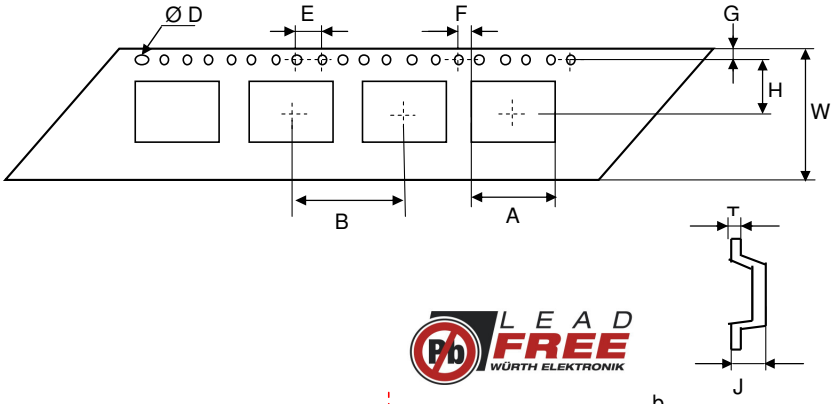
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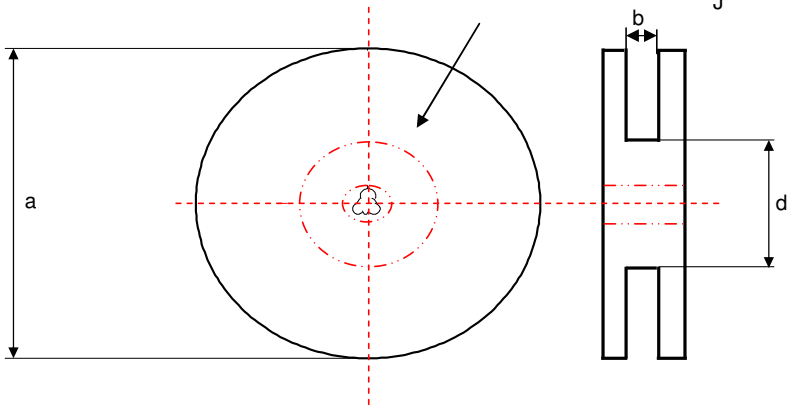
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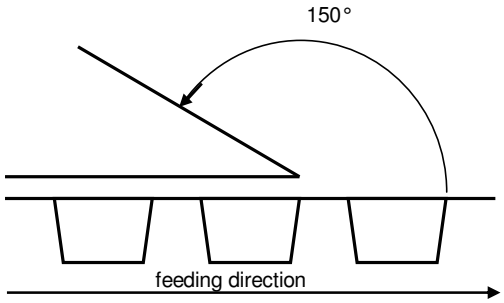
J Rollenspezifikation / tape and reel specification:





Gurtspezifikation / Tape specification:		
A	**10,4 ± 0,1**	mm
B	**16 ± 0,1**	mm
		mm
D	**1,50** $^{+0.1}_{-0.1}$	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
		mm
J	**10,20 ± 0,1**	mm
T	**0,40 ± 0,05**	mm
W	**24,0 ± 0,3**	mm

Rollenspezifikation / Reel specification:		
a	**330,0 ref**	mm
b	**24,0 ref**	mm
		mm
d	**75 ± 2**	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.

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