

# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **7443340470**

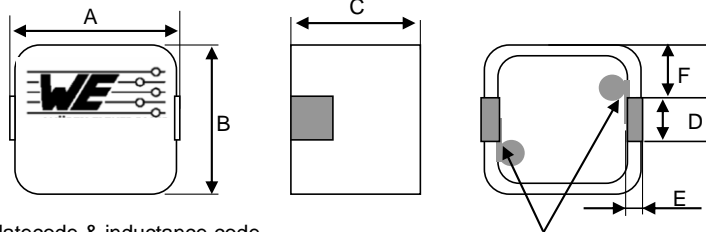


Bezeichnung : **SPEICHERDROSSEL WE-HCC 8070 (Ferrit)**

description : **POWER-CHOKE WE-HCC 8070 (Ferrite)**

DATUM / DATE : 2011-09-02

## A Mechanische Abmessungen / dimensions:



datecode & inductance code marking at side wall

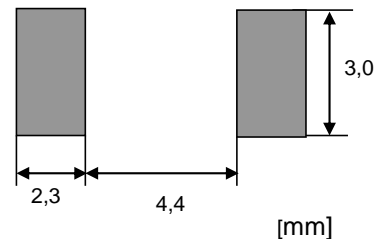
RDC is measured at these points

A	<b>8,4 ± 0,4</b>	mm
B	<b>7,9 ± 0,3</b>	mm
C	<b>7,2 ± 0,3</b>	mm
D	<b>2,3 ± 0,2</b>	mm
E	<b>1,5 ± 0,2</b>	mm
F	<b>2,75 ± 0,5</b>	mm

## B Elektrische Eigenschaften / electrical properties:

## C Lötpad / soldering spec.:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Lerlaufinduktivität / initial inductance	<b>100 kHz / 10mA</b>	$L_0$	<b>4,70</b>	$\mu\text{H}$	$\pm 20\%$
DC-Widerstand / DC-resistance	<b>@ 20° C</b>	$R_{DC}$	<b>12,40</b>	$\text{m}\Omega$	$\pm 10\%$
Nennstrom / rated current	<b><math>\Delta T = 50 \text{ K}</math></b>	$I_N$	<b>7,5</b>	A	<b>max.</b>
Sättigungsstrom / saturation current	<b><math>\Delta L/L_0 = 30 \%</math></b>	$I_{sat}$	<b>8,0</b>	A	<b>typ.</b>
Eigenres.-Frequenz / self-res.-frequency		SRF	<b>45,0</b>	MHz	<b>typ.</b>



## D Prüfgeräte / test equipment:

## E Testbedingungen / test conditions:

**WAYNE KERR 3260B** für/for  $L_0$ ;  $I_{SAT}$   
**HP 34401 A & Fluke 5411** für/for  $I_{DC}$ ;  
**Metra HIT 271** für/for  $R_{DC}$

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

## F Werkstoffe & Zulassungen / material & approvals:

## G Eigenschaften / general specifications:

Basismaterial / base material: Ferrite  
 Draht / wire: JIS 155°C , UL : E201757

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:	<b>Kunde / customer</b>			
Datum / date	<b>Unterschrift / signature</b>			
	<b>Würth Elektronik</b>			
Geprüft / checked	<b>Kontrolliert / approved</b>	BD	Version 1	11-09-02
		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>

# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **7443340470**

LF



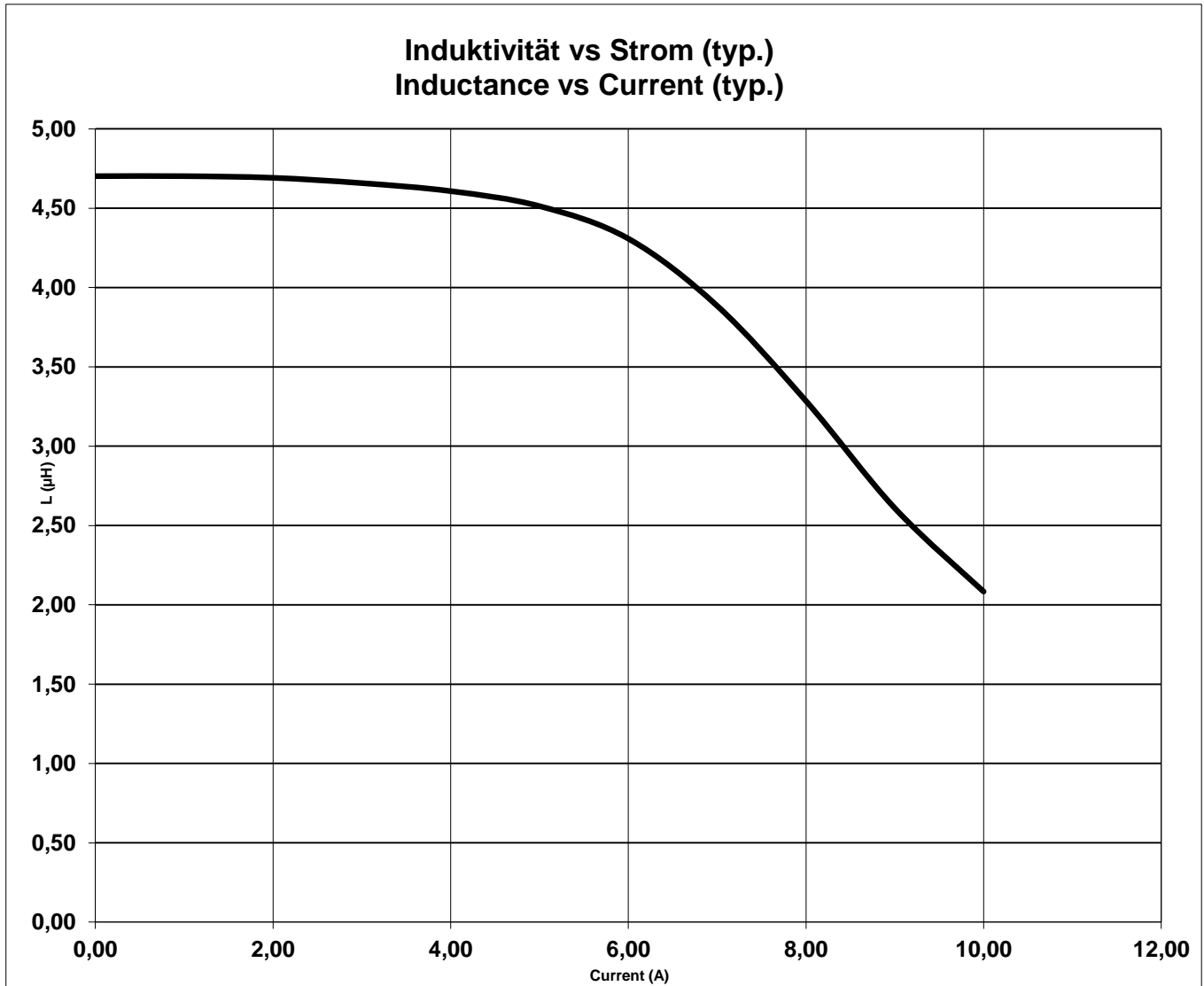
Bezeichnung : **SPEICHERDROSSEL WE-HCC 8070 (Ferrit)**

description : **POWER-CHOKE WE-HCC 8070 (Ferrite)**

**WÜRTH ELEKTRONIK**

DATUM / DATE : 2011-09-02

## H Induktivitätskurve / Inductance curve:



Freigabe erteilt / general release:	<b>Kunde / customer</b>			
.....				
Datum / date	Unterschrift / signature			
	<b>Würth Elektronik</b>			
.....				
Geprüft / checked	Kontrolliert / approved	BD	Version 1	11-09-02
		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>

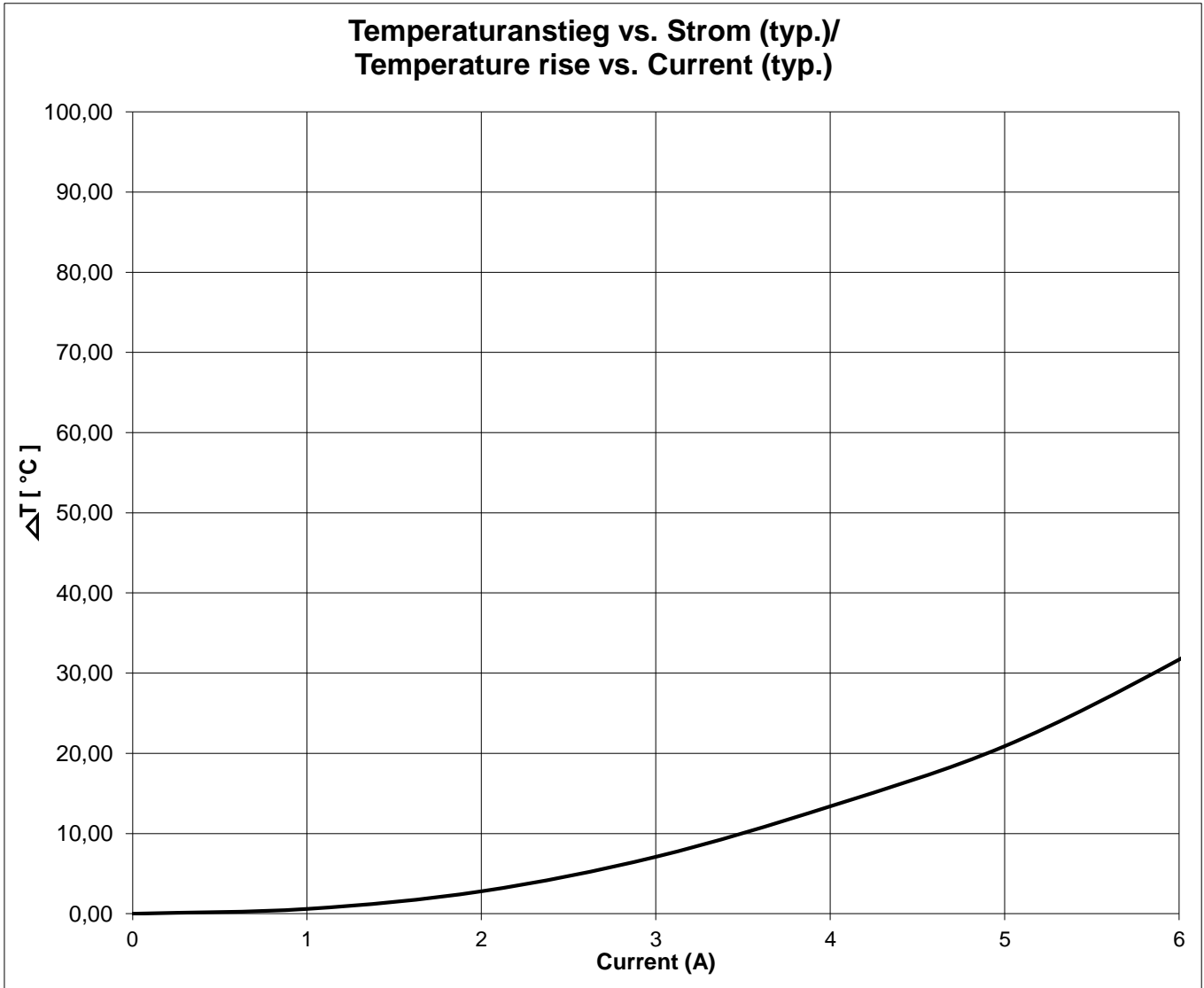
**Spezifikation für Freigabe / specification for release**

Kunde / customer :  
 Artikelnummer / part number : **7443340470**  
 Bezeichnung : **SPEICHERDROSSEL WE-HCC 8070 (Ferrit)**  
 description : **POWER-CHOKE WE-HCC 8070 (Ferrite)**



DATUM / DATE : 2011-09-02

**I Temperaturanstieg / Temperature rise curve:**



Freigabe erteilt / general release:	<b>Kunde / customer</b>			
.....	Unterschrift / signature			
Datum / date	<b>Würth Elektronik</b>			
.....				
Geprüft / checked	Kontrolliert / approved	BD	Version 1	11-09-02
		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>

# Spezifikation für Freigabe / specification for release

Kunde / customer :  
 Artikelnummer / part number : **7443340470**  
 Bezeichnung : **SPEICHERDROSSEL WE-HCC 8070 (Ferrit)**  
 description : **POWER-CHOKE WE-HCC 8070 (Ferrite)**

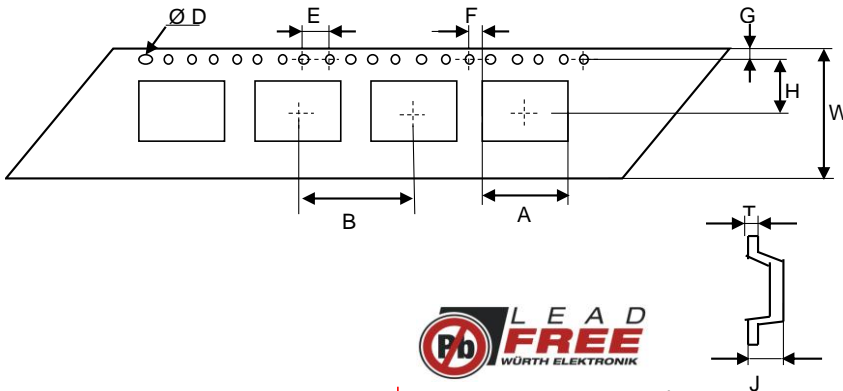
LF



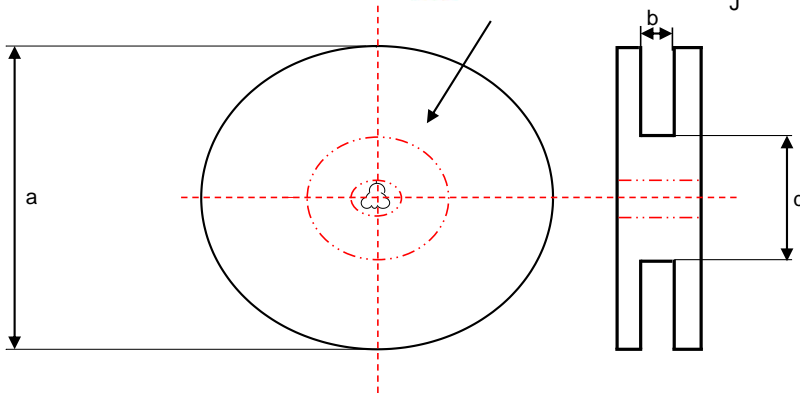
DATUM / DATE : 2011-09-02

## J Rollenspezifikation / tape and reel specification:

## Gurtspezifikation / Tape specification:

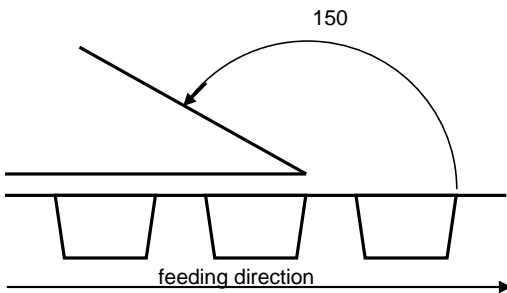


A	<b>8,25 ± 0,1</b>	mm
B	<b>16 ± 0,1</b>	mm
		mm
D	<b>1,50 ± 0,1</b>	mm
E	<b>4,00 ± 0,1</b>	mm
F	<b>2,00 ± 0,1</b>	mm
G	<b>1,75 ± 0,1</b>	mm
H	<b>11,5 ± 0,1</b>	mm
		mm
J	<b>7,40 ± 0,1</b>	mm
T	<b>0,40 ± 0,05</b>	mm
W	<b>24,0 ± 0,3</b>	mm



## Rollenspezifikation / Reel specification:

a	<b>330,0 ref</b>	mm
b	<b>24,0 ref</b>	mm
		mm
d	<b>75 ± 2</b>	mm



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

Freigabe erteilt / general release:

	<b>Kunde / customer</b>		
.....	.....		
Datum / date	Unterschrift / signature		
	<b>Würth Elektronik</b>		
.....	.....		
Geprüft / checked	Kontrolliert / approved	BD	Version 1
		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.

## 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.com>