

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7447797300

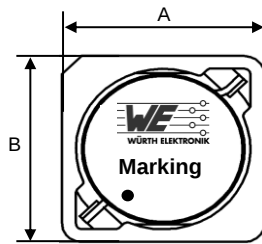


Bezeichnung : SPEICHERDROSSEL WE-PDF

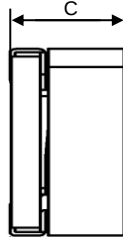
description : POWER-CHOKE WE-PDF

DATUM / DATE : 2011-08-30

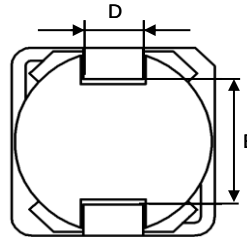
A Mechanische Abmessungen / dimensions :



● Start of winding



Marking = Inductance code

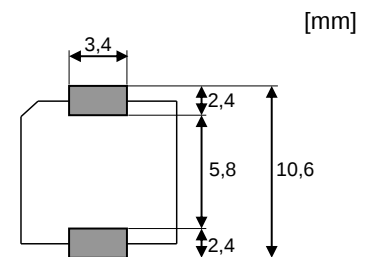


	size 1045	
A	10,2 ± 0,3	mm
B	10,2 ± 0,3	mm
C	4,5 max.	mm
D	3,0 ± 0,2	mm
E	6,8 ± 0,5	mm

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	100 kHz / 0,25V	L	2,50	μH	±20%
DC-Widerstand / DC-resistance	@ 20°C	R _{DC typ}	9,0	mΩ	typ.
DC-Widerstand / DC-resistance	@ 20°C	R _{DC max}	10,2	mΩ	max.
Nennstrom / rated current	ΔT=40 K	I _R	8,40	A	max.
Sättigungsstrom / saturation current	ΔL/L <10%	I _{sat}	10,50	A	typ.
Eigenres.-Frequenz / self-res.-frequency		f _{res}	61,0	MHz	typ.

C Lötpad / soldering spec. :



D Prüfgeräte / test equipment :

Wayne Kerr 3260B für/for L und/and I_{sat}

GMC Metrahit für/for R_{DC}

Agilent N5776A für/for I_R

Agilent E4991A für/for f_{res}

E Testbedingungen / test conditions :

Luftfeuchtigkeit / humidity: 33%

Umgebungstemperatur / temperature: +20°C

F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material: Ferrit/ferrite
 Endoberfläche / finishing electrode: Sn / Ni
 Draht / wire: SFT-EI / AIWJ
 UL-File Number: E318511

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: -40°C - +150°C
 Umgebungstemp. / ambient temperature: -40°C - +110°C
 It is recommended that the temperature of the part does not exceed 150°C under worst case operating conditions.

Freigabe erteilt / general release:

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Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

SvS	Version3	11-08-30
OO	Version 2	09-07-06
OO	Version 1	08-06-01
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.com>

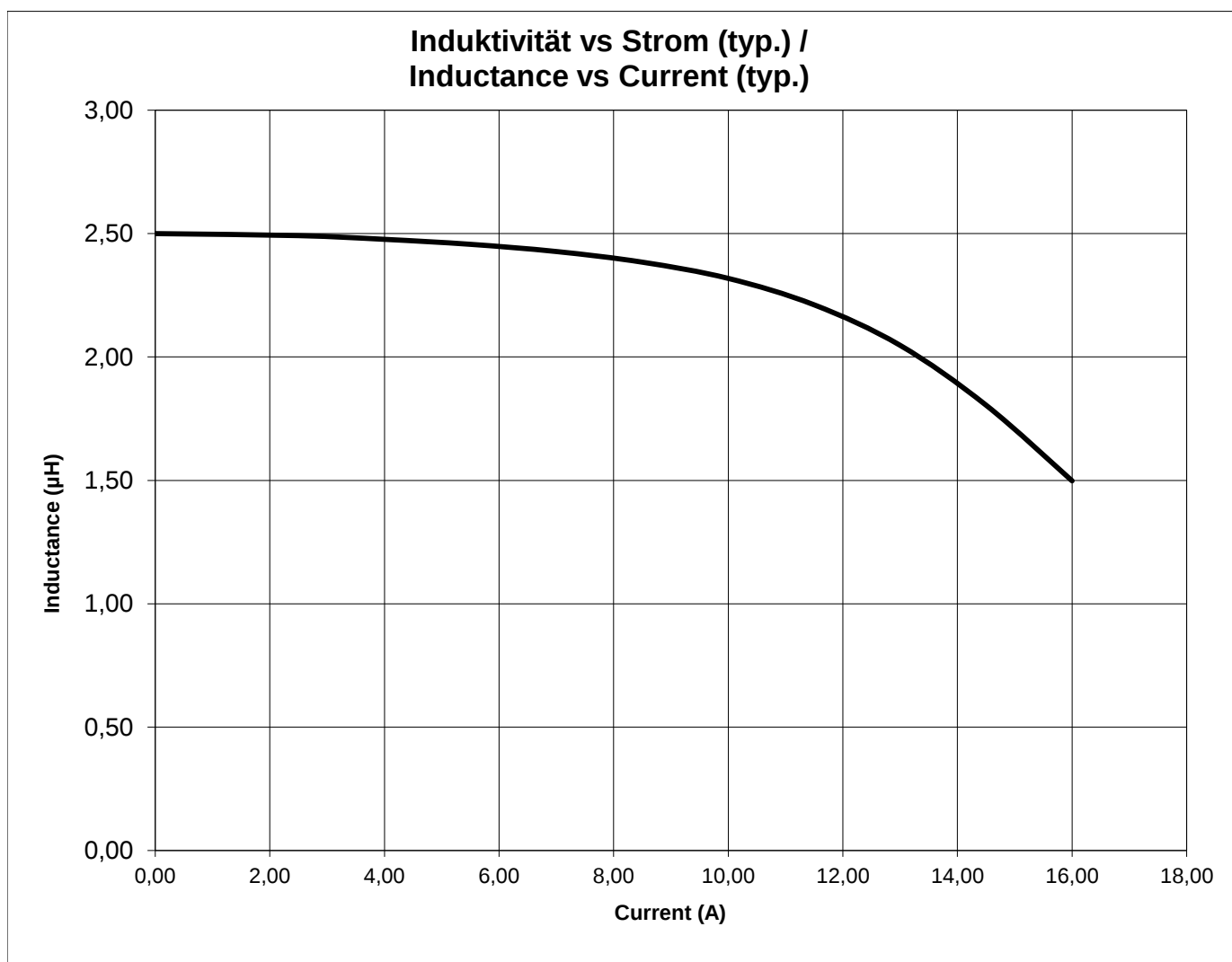
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H Induktivitätskurve / Inductance curve :



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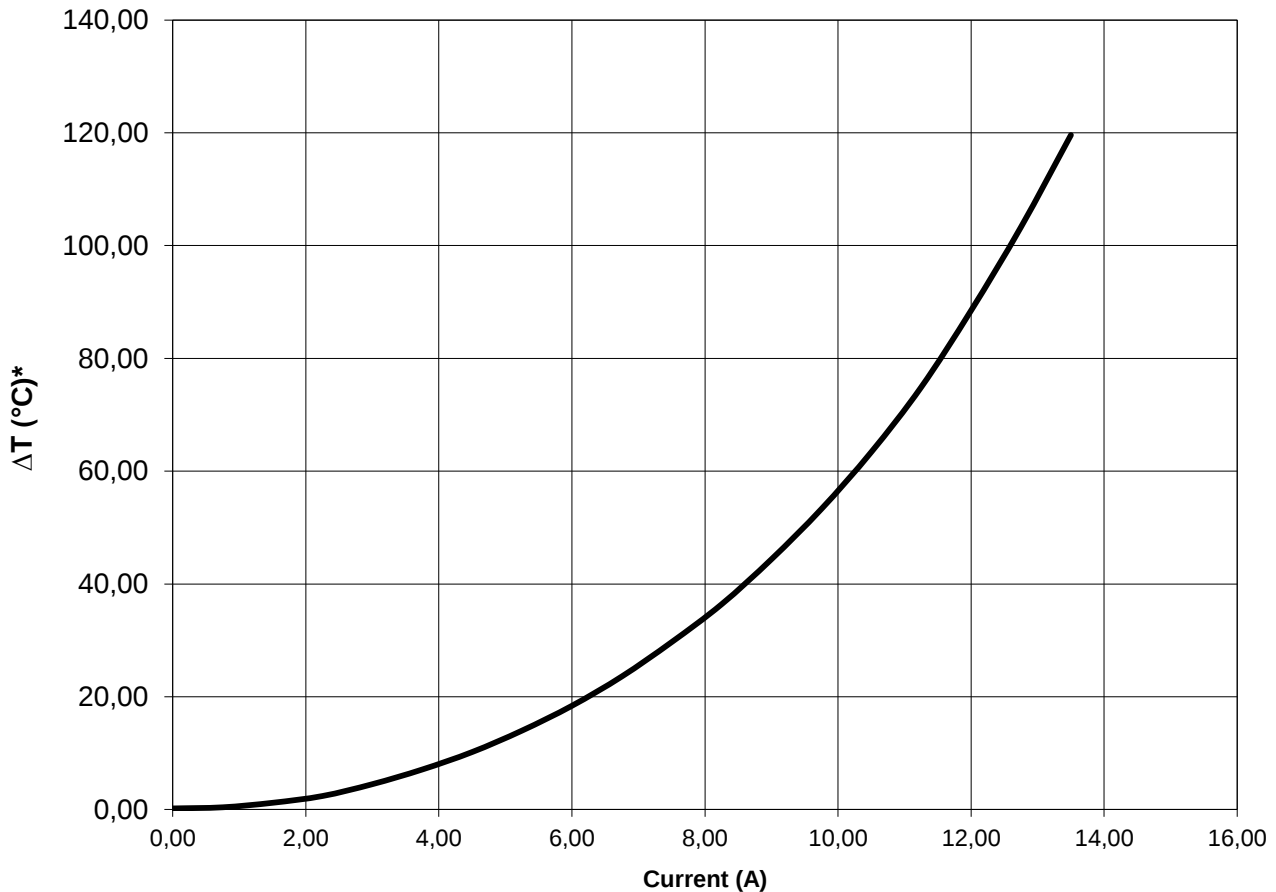
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I Induktivitäts-Temperatur-Kurve / Inductance Temperature curve :

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



*Temperatur gemessen an Bauteiloberfläche / temperature measured at surface of component

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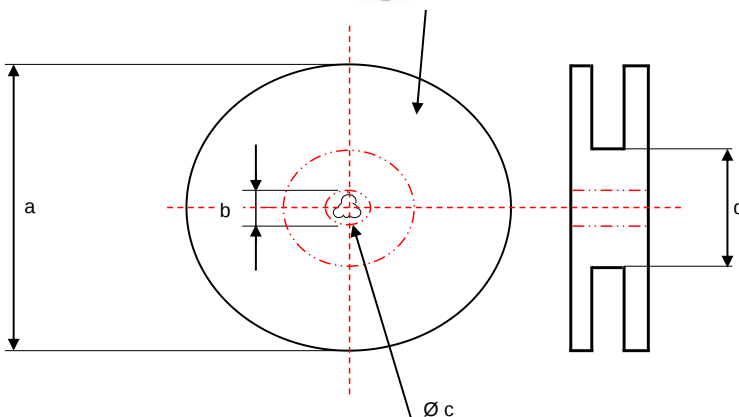
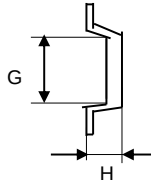
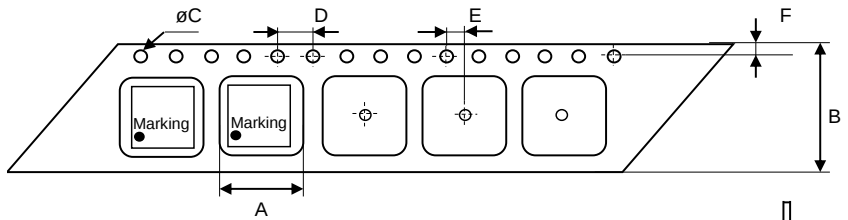


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K Rollenspezifikation / tape and reel specification :

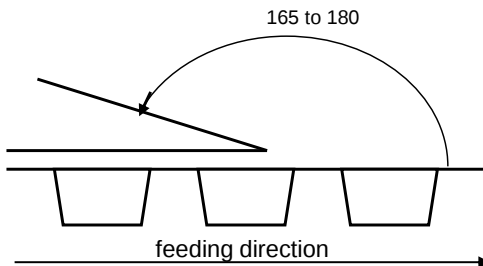
Gurtspezifikation / Tape specification:

A	10,45 ± 0,1	mm
B	24,0 ± 0,2	mm
C	1,55 ± 0,5	mm
D	4,00 ± 0,1	mm
E	2,00 ± 0,1	mm
F	1,75 ± 0,1	mm
G	10,45 ± 0,1	mm
H	5,00 ± 0,1	mm



Rollenspezifikation / Reel specification:

a	330,0 ± 2,0	mm
b	21,00 ± 0,8	mm
c	13,00 ± 0,5	mm
d	100,0 ± 1,0	mm



The force for tearing off cover tape is
 10 to 130 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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