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Spezifikation für Freigabe / specification for release

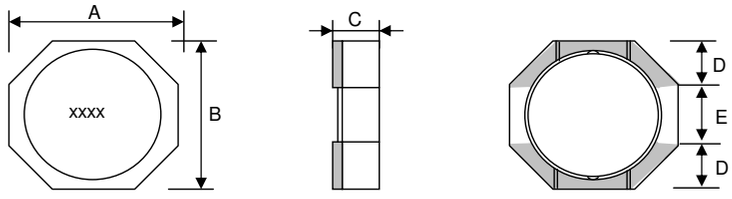
Kunde / customer :
Artikelnummer / part number : **744029100**
Bezeichnung : **SPEICHERDROSSEL WE-TPC**
description : **POWER-CHOKE WE-TPC**

compliant RoHS WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

DATUM / DATE : 2008-04-01

A Mechanische Abmessungen / dimensions:



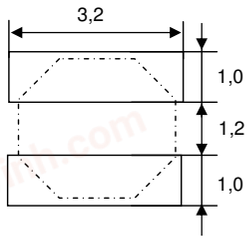
	Typ TH	
A	**2,8 ± 0,2**	mm
B	**2,8 ± 0,2**	mm
C	**1,35 ± 0,15**	mm
D	**0,9 typ.**	mm
E	**0,9 typ.**	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	**100 kHz / 10mA**	L	10	µH	**±30%**
DC-Widerstand / DC-resistance	**@ 20°C**	$R_{DC\ typ.}$	390	mΩ	**typ.**
DC-Widerstand / DC-resistance	**@ 20°C**	$R_{DC\ max.}$	470	mΩ	**max.**
Nennstrom / rated Current	**ΔT = 40 K**	I_N	0,75	A	**typ.**
Sättigungsstrom / saturation current	**ΔL/L < 35%**	I_{sat}	0,5	A	**typ.**
Eigenres.-Frequenz / self-res.-fequency		SRF	40	MHz	**typ.**

C Lötpad / soldering spec.:

[mm]



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: Ferrit/ ferrite

Draht / wire: Class H /180°C

Endoberfläche / finishing electrode: Ag/Ni/Sn

G Eigenschaften / general specifications:

Betriebstemp. / operating temperature: -40°C - + 125°C

Umgebungstemp. / ambient temperature: -40°C - + 85°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	Würth Elektronik
Datum / date	Unterschrift / signature
Geprüft / checked	Kontrolliert / approved

Name	Änderung / modification	Datum / date
ME	Version 2	08-04-01
ME	Version 1	07-07-01

Würth Elektronik eiSos GmbH & Co. KG
D-74638 Waldenburg · Max-Eyth-Strasse 1 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400
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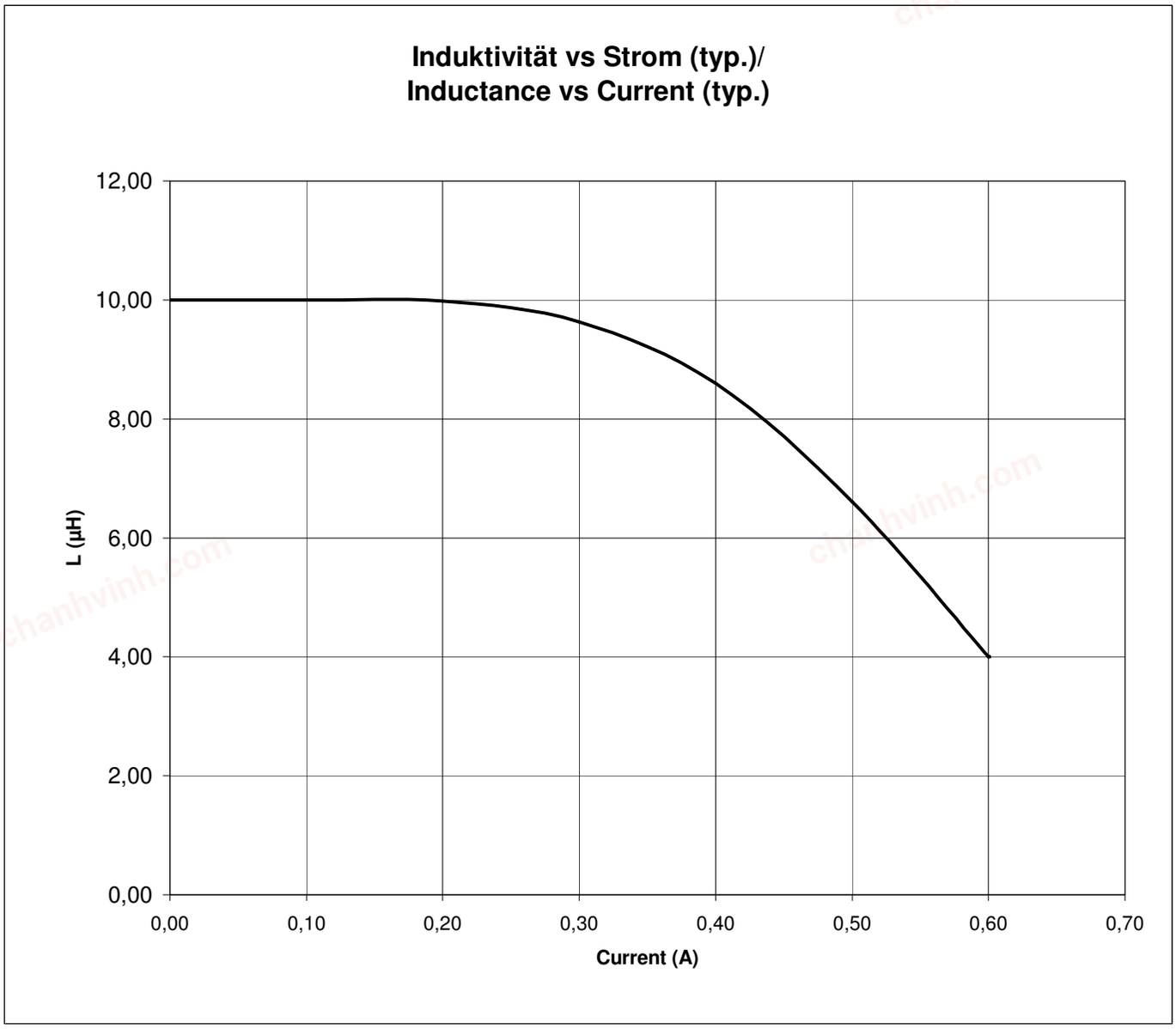
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H Induktivitätskurve / Inductance curve:



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Datum / date	Unterschrift / signature			
	Würth Elektronik			
		ME	Version 2	08-04-01
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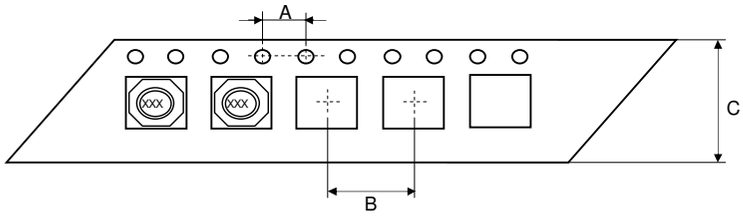
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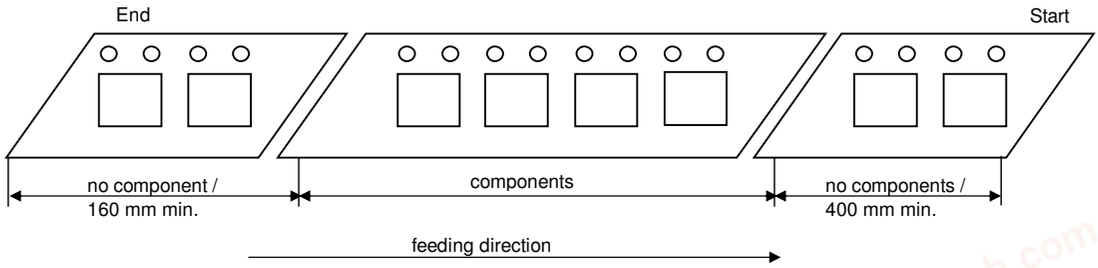
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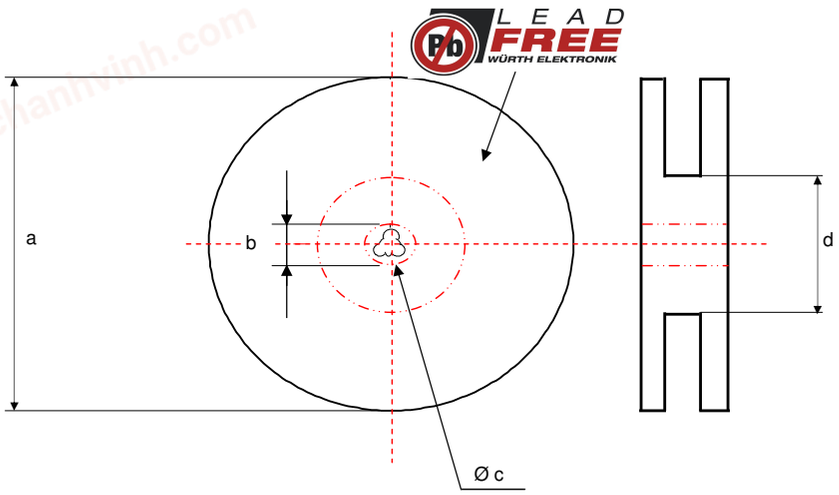
I Rollenspezifikation / tape and reel specification:

Gurtspezifikation / Tape specification:



A	**4,00 ± 0,1**	mm
B	**8,00 ± 0,1**	mm
C	**12,0 ± 0,2**	mm





Rollenspezifikation / Reel specification:		
a	**178,0 ± 2,0**	mm
b	**21,00 ± 0,8**	mm
c	**13,00 ± 0,5**	mm
d	**50,00 ± 1,0**	mm

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Geprüft / checked	Kontrolliert / approved	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.

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