Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **744029003**

Bezeichnung : **SPEICHERDROSSEL WE-TPC**

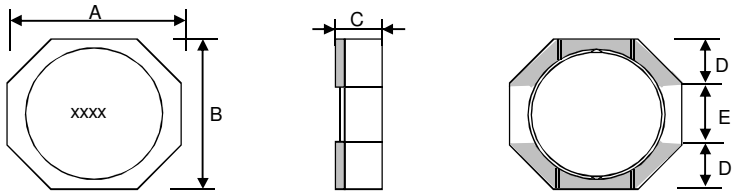
description : **POWER-CHOKE WE-TPC**

compliant RoHS WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

DATUM / DATE : 2010-10-01

A Mechanische Abmessungen / dimensions:



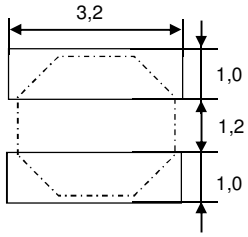
size	2813	
A	**2,8 ± 0,2**	mm
B	**2,8 ± 0,2**	mm
C	**1,35 ± 0,15**	mm
D	**0,9 typ.**	mm
E	**0,9 typ.**	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	**100 kHz / 10mA**	L	3,3	µH	**±30%**
DC-Widerstand / DC-resistance	**@ 20°C**	$R_{DC\ typ.}$	110	mΩ	**typ.**
DC-Widerstand / DC-resistance	**@ 20°C**	$R_{DC\ max.}$	130	mΩ	**max.**
Nennstrom / rated Current	**ΔT = 40 K**	I_N	1,25	A	**typ.**
Sättigungsstrom / saturation current	**ΔL/L < 35%**	I_{sat}	0,95	A	**typ.**
Eigenres.-Frequenz / self-res.-fequency		SRF	70	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	
Datum / date	Unterschrift / signature
Würth Elektronik	
Geprüft / checked	Kontrolliert / approved

ME	Version 3	10-10-01
ME	Version 2	08-04-01
ME	Version 1	07-07-01
Name	**Änderung / modification**	Datum / date

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

http://www.we-online.de

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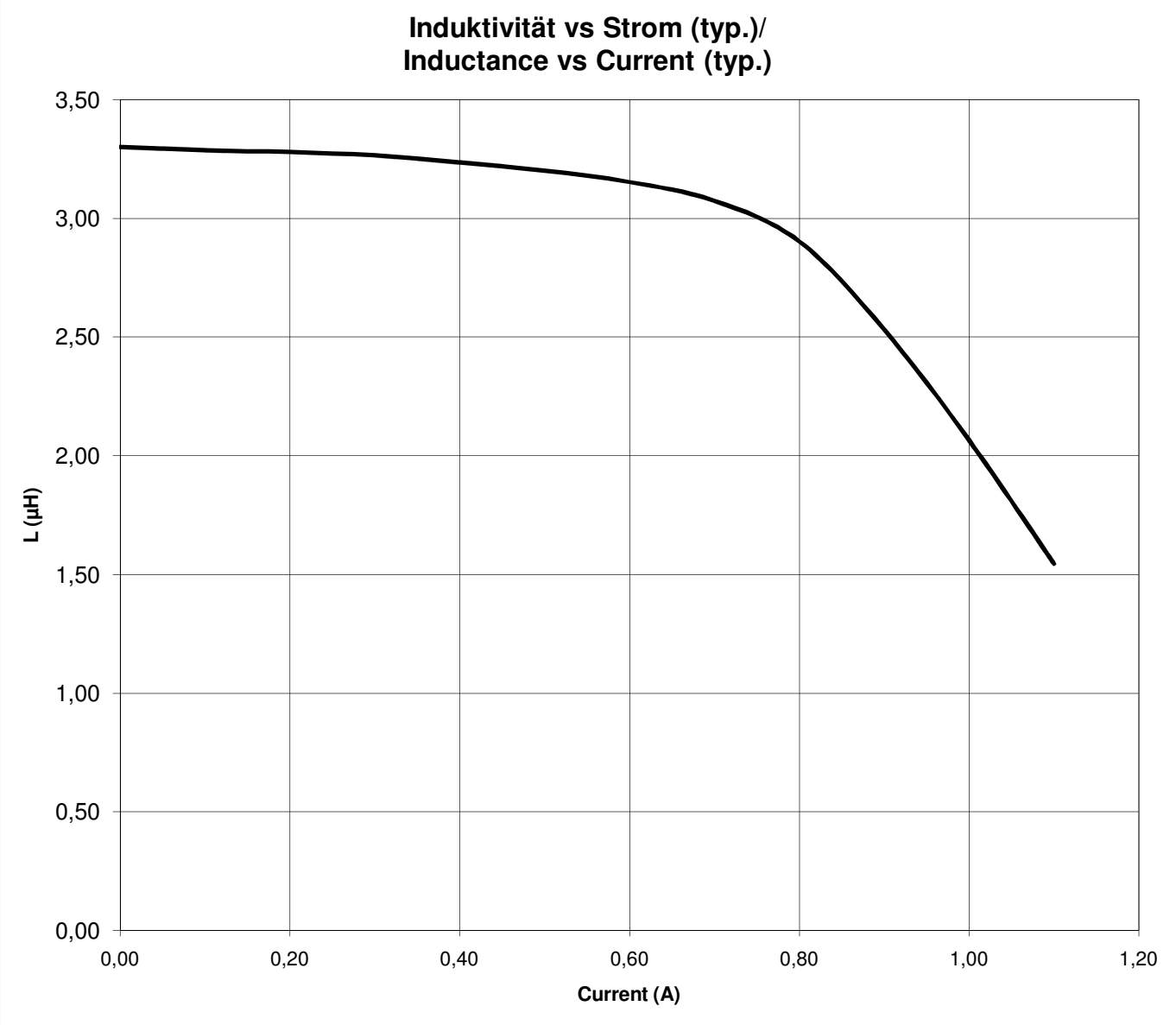
H Induktivitätskurve / Inductance curve:



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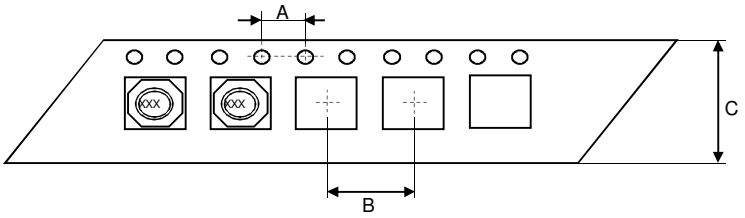
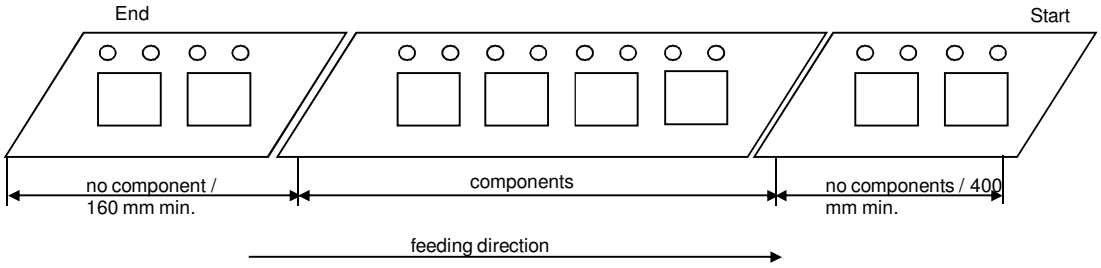
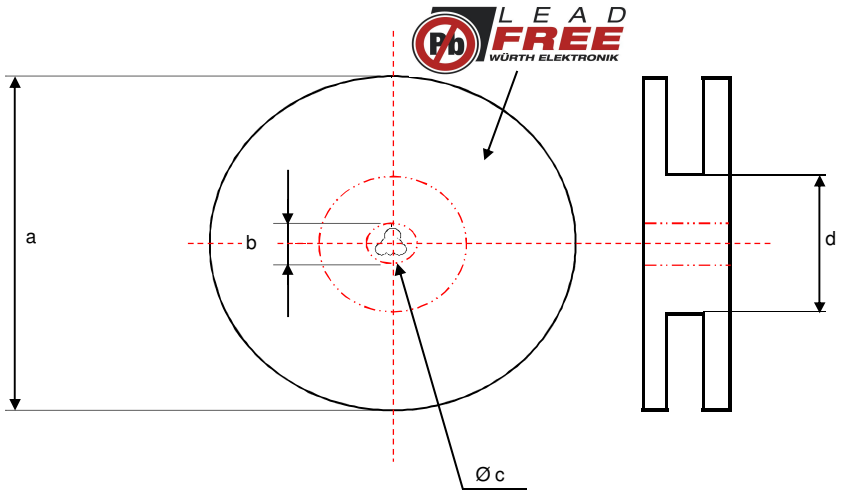
I Rollenspezifikation / tape and reel specification:

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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Kunde / customer				
Datum / date	Unterschrift / signature			
Würth Elektronik		ME	Version 3	10-10-01
		ME	Version 2	08-04-01
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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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