Spezifikation für Freigabe / specification for release

Kunde / customer :

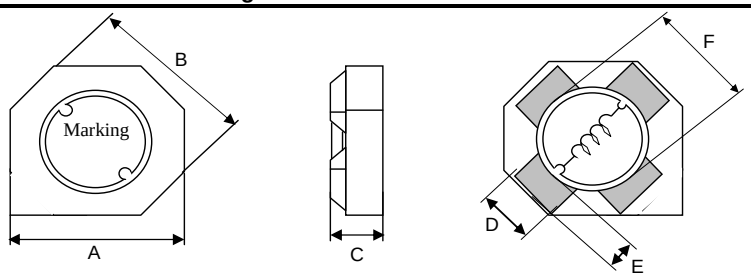
Artikelnummer / part number : **744030003**

Bezeichnung : **SPEICHERDROSSEL WE-TPC**

description : **POWER-INDUCTOR WE-TPC**

DATUM / DATE : 2009-03-06

A Mechanische Abmessungen / dimensions:



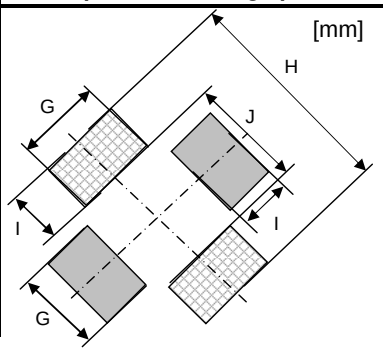
	Typ XS	
A	**3.3 ± 0.2**	mm
B	**3.5 ± 0.2**	mm
C	**0.95 ± 0.10**	mm
D	**1.10 typ.**	mm
E	**0.5 typ.**	mm
F	**2.3 typ.**	mm
G	**1.3 typ.**	mm
H	**4.2 typ.**	mm
I	**1.2 typ.**	mm
J	**1.8 typ.**	mm

Marking	**A**	**B**	**C**	**D**	**E**	**F**	**G**
Inductance Value (µH)	**1.2**	**2.2**	**3.3**	**4.7**	**6.8**	**10**	**22**

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität inductance	**100 kHz / 0.25V**	L	**3.30**	µH	**± 30%**
DC-Widerstand DC-resistance	**@ 20°C**	$R_{DC\ typ}$	**0.198**	Ω	**typ.**
DC-Widerstand DC-resistance	**@ 20°C**	$R_{DC\ max}$	**0.225**	Ω	**max.**
Nennstrom rated Current	**ΔT = 40 K**	I_N	**0.65**	A	**max.**
Sättigungsstrom saturation current	**ΔL/L = -10%**	I_{sat}	**0.72**	A	**typ.**
Eigenres.-Frequenz self-res.-fequency		SRF	**130**	MHz	**typ.**

C Lötpad / soldering spec.:



D Prüfgeräte / test equipment:

HP 4274 A für/for L und/and Q

HP 34401 A für/for I_{DC} und/and 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

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

SSt	Version 6	09-06-03
MST	Version 5	08-04-11
MST	Version 4	06-09-12
SSt	Version 3	06-05-17
MST	Version 2	04-10-11
AG	Version 1	04-05-24
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

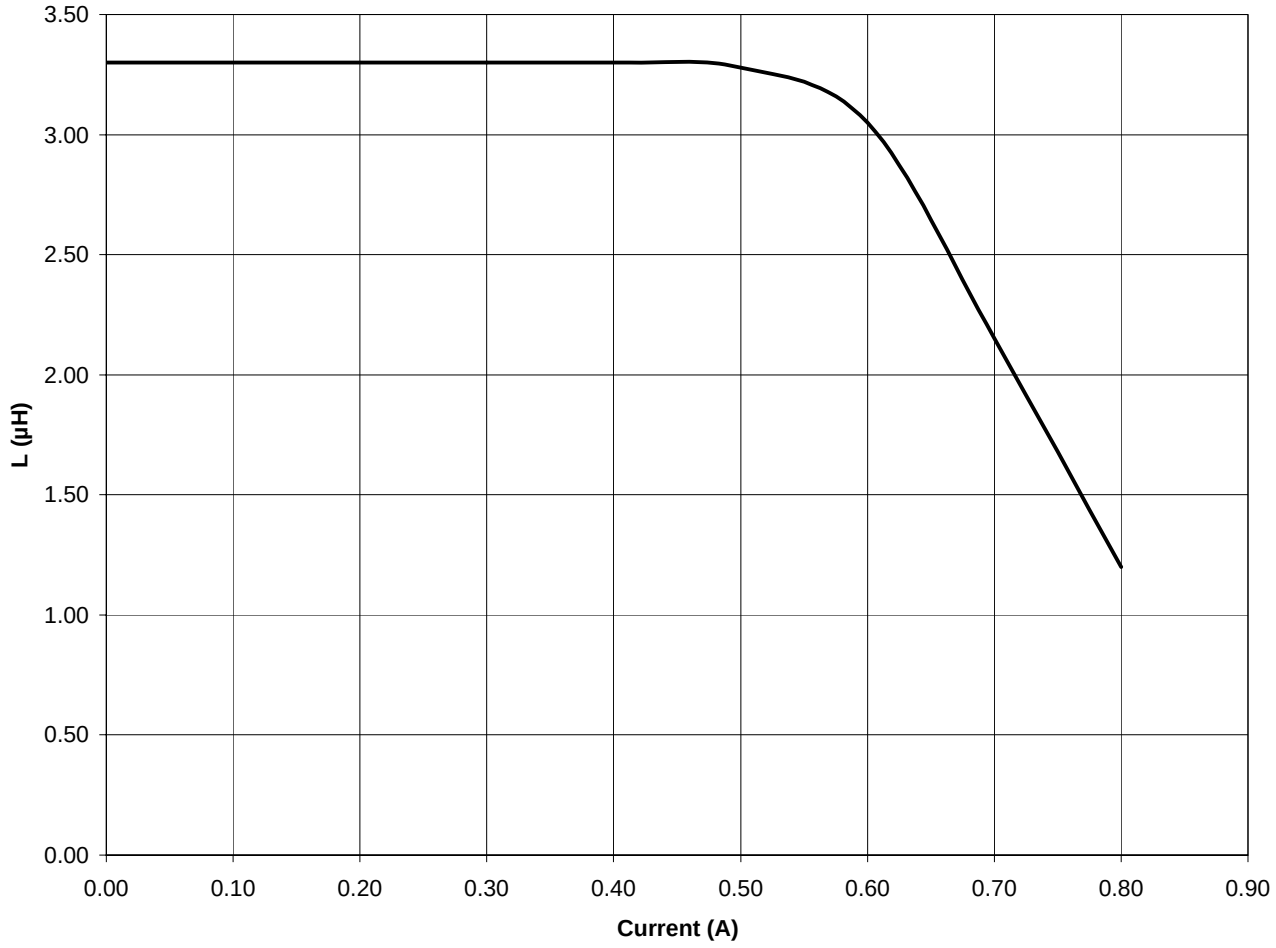
Spezifikation für Freigabe / specification for release

Kunde / customer :
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H Induktivitätskurve / Inductance curve:

Induktivität vs Strom (typ.)/
Inductance vs Current (typ.)



Freigabe erteilt / general release:	Kunde / customer			
		SSt	Version 6	09-06-03
.....	.....	MST	Version 5	08-04-11
Datum / date	Unterschrift / signature	MST	Version 4	06-09-12
	Würth Elektronik	SSt	Version 3	06-05-17
		MST	Version 2	04-10-11
.....	.....	AG	Version 1	04-05-24
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Spezifikation für Freigabe / specification for release

Kunde / customer :

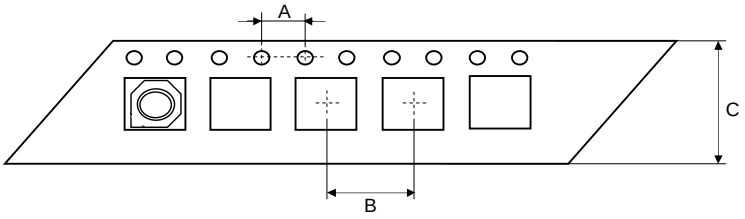
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Bezeichnung : **SPEICHERDROSSEL WE-TPC**

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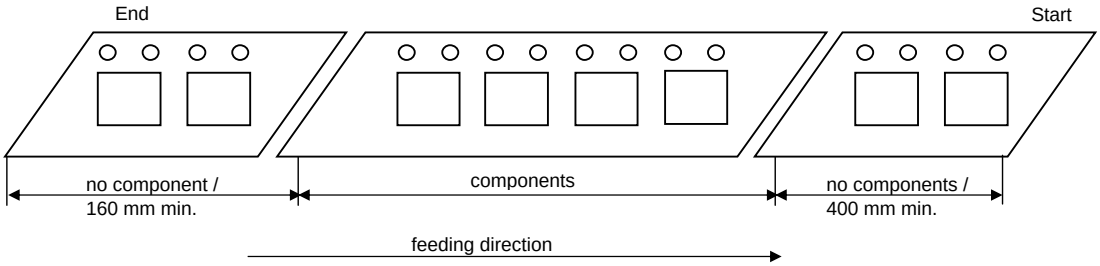
DATUM / DATE : 2009-03-06

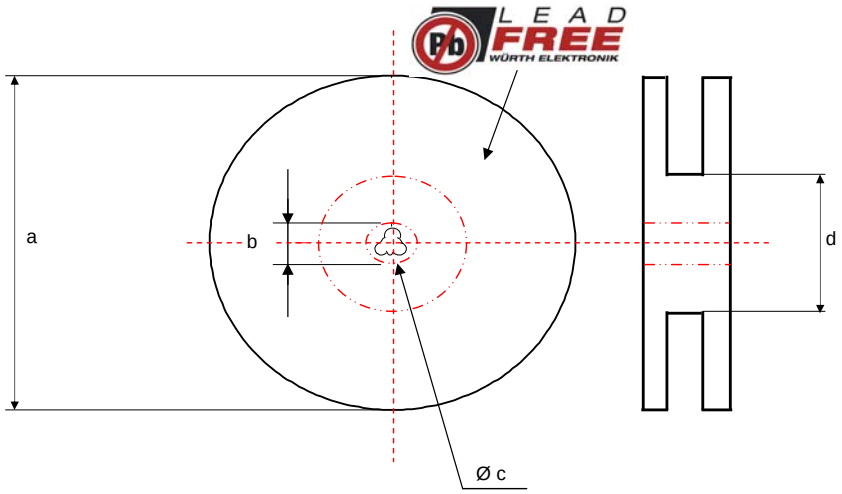
I Rollenspezifikation / tape and reel specification:



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

Freigabe erteilt / general release:

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

SSt	Version 6	09-06-03
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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

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