

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

744028003

Bezeichnung :

SPEICHERDROSSEL WE-TPC

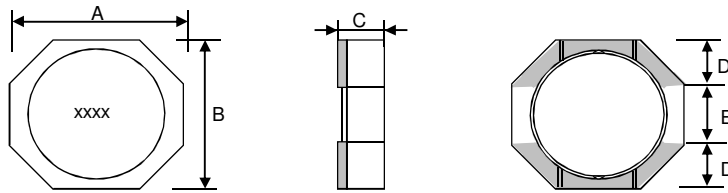
description :

POWER-CHOKE WE-TPC



DATUM / DATE : 2010-10-01

A Mechanische Abmessungen / dimensions:



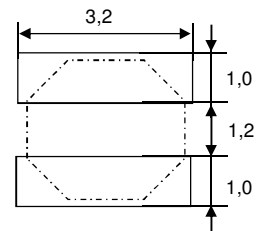
size	2811	
A	2,8 ± 0,2	mm
B	2,8 ± 0,2	mm
C	1,1 ± 0,10	mm
D	0,9 typ.	mm
E	0,9 typ.	mm

B Elektrische Eigenschaften / electrical properties:

C Lötspad / soldering spec.:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	100 kHz / 10mA	Lo	3,3	µH	±30%
DC-Widerstand / DC-resistance	@ 20 °C	R _{DC} typ.	185	mΩ	typ.
DC-Widerstand / DC-resistance	@ 20 °C	R _{DC} max.	220	mΩ	max.
Nennstrom / rated Current	ΔT = 40 K	I _N	1,0	A	typ.
Sättigungsstrom / saturation current	ΔL/L = < 35%	I _{sat}	0,85	A	typ.
Eigenres.-Frequenz / self-res.-frequency		SRF	80	MHz	typ.

[mm]



D Prüfgeräte / test equipment:

WAYNE KERR 3260B für/for L₀; I_{SAT}

HP 34401 A & Fluke 54II für/for I_{DC};

Metra HIT 271 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:

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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

Spezifikation für Freigabe / specification for release

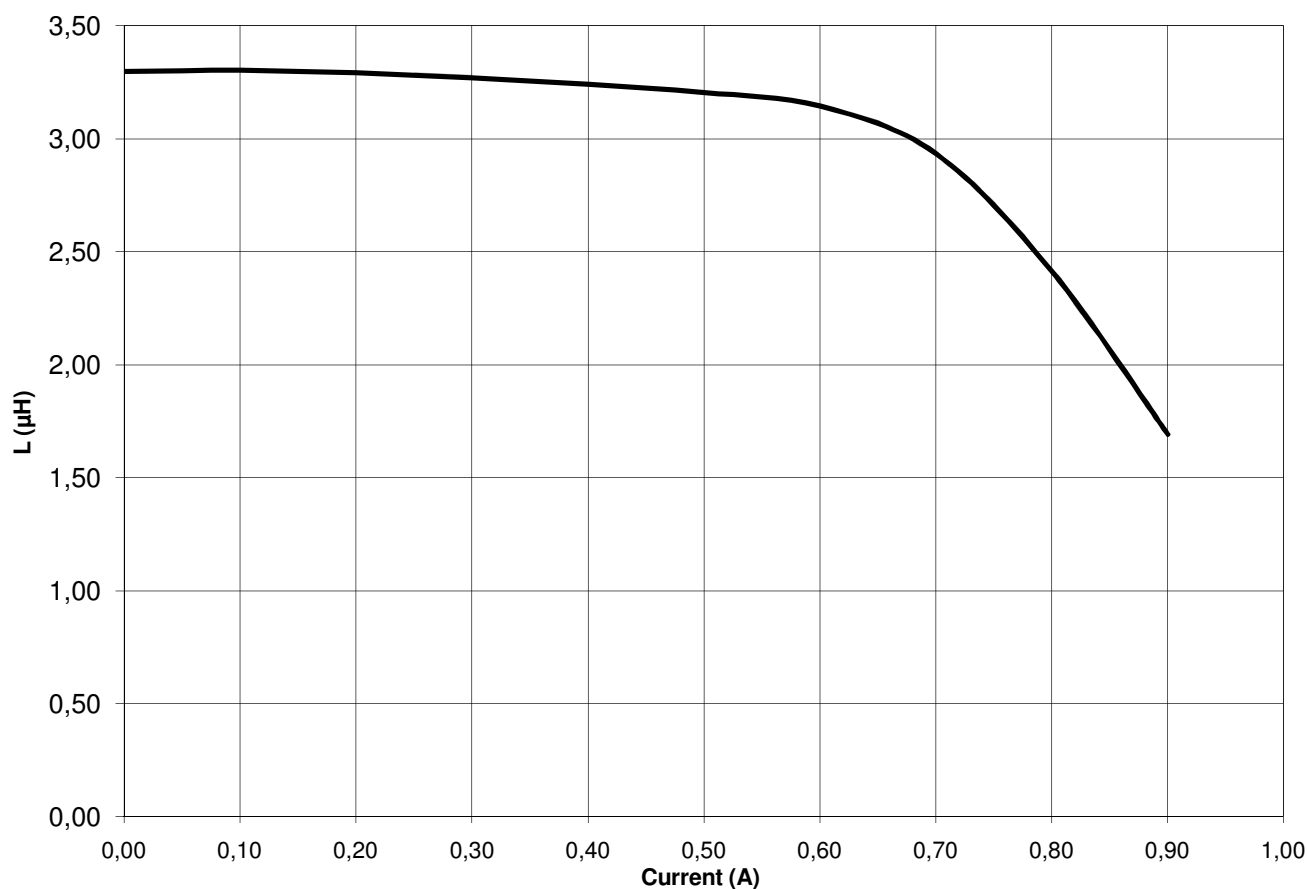
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 description : **POWER-CHOKE WE-TPC**



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H Induktivitätskurve / Inductance curve:

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



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	Würth Elektronik		ME	Version 3
			ME	Version 2
			ME	Version 1
Geprüft / checked	Kontrolliert / approved		Name	Änderung / modification
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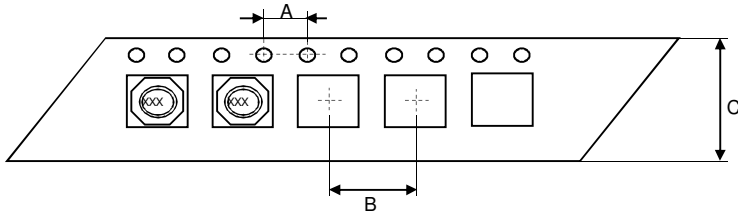
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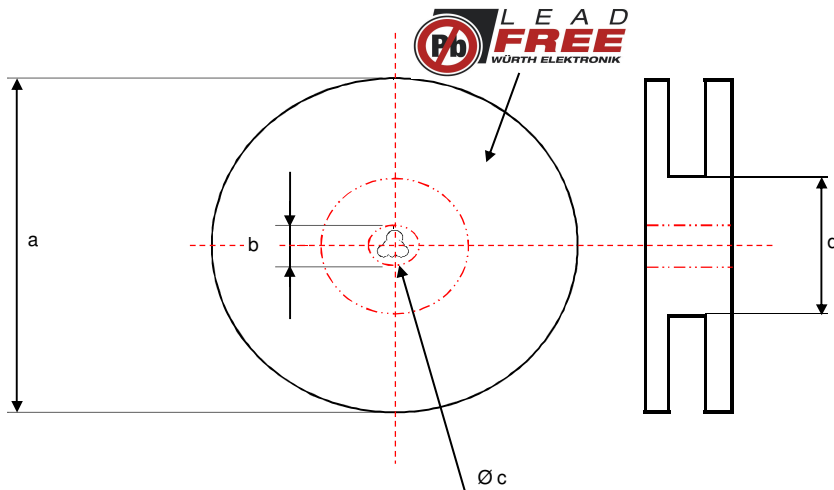
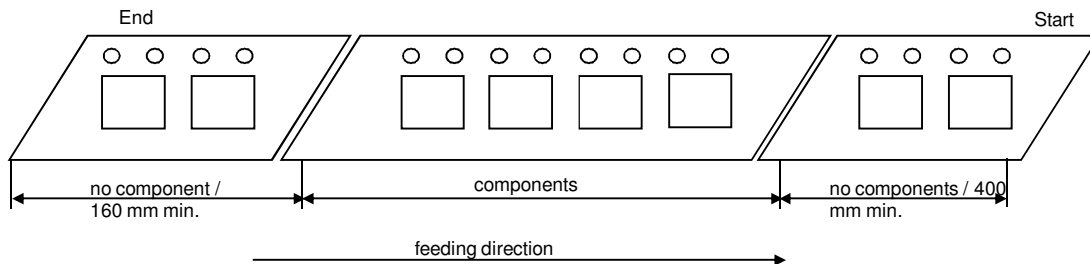
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I Rollenspezifikation / tape and reel specification:

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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		ME	Version 2	08-04-01
		ME	Version 1	07-07-01
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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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