

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

74402500030

Bezeichnung :

SPICHERDROSSEL WE-TPC

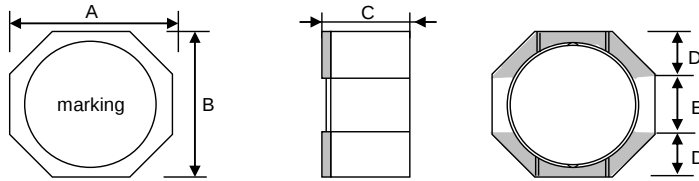
description :

POWER-CHOKE WE-TPC



DATUM / DATE : 2010-11-09

A Mechanische Abmessungen / dimensions:

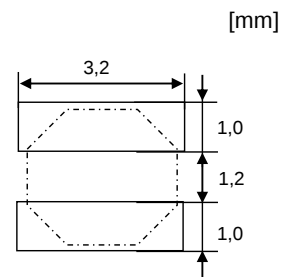


size	2828	
A	2,8 ± 0,2	mm
B	2,8 ± 0,2	mm
C	2,8 ± 0,20	mm
D	0,9 typ.	mm
E	1,0 typ.	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	100 kHz / 1mA	L_0	0,30	μH	±25%
DC-Widerstand / DC-resistance	@ 20°C	R_{DC} typ.	15	mΩ	typ.
DC-Widerstand / DC-resistance	@ 20°C	R_{DC} max.	18	mΩ	max.
Nennstrom / rated Current	ΔT = 40 K	I_N	3,9	A	typ.
Sättigungsstrom / saturation current	ΔL/L = < 35%	I_{sat}	5,7	A	typ.
Eigenres.-Frequenz / self-res.-frequency	@ 20°C	SRF	440	MHz	typ.

C Lötpad / soldering spec.:



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:

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Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

CZ	Version 1	10-11-09
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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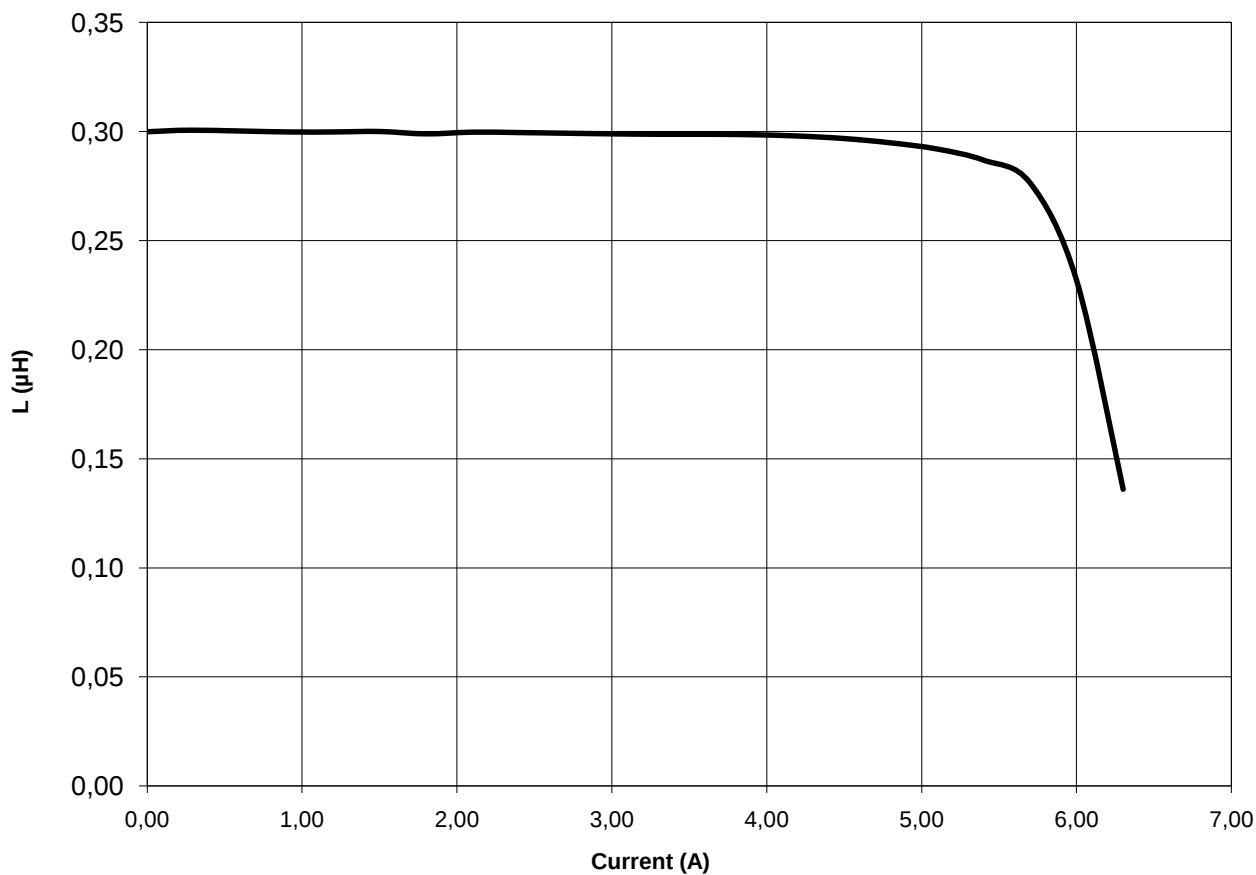
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H Induktivitätskurve / Inductance curve:

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



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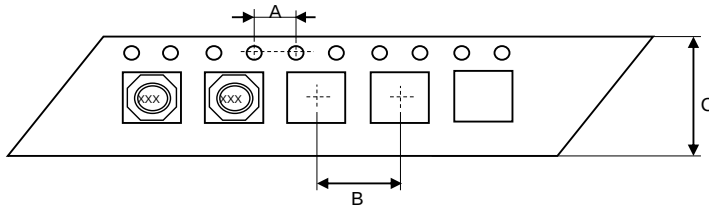
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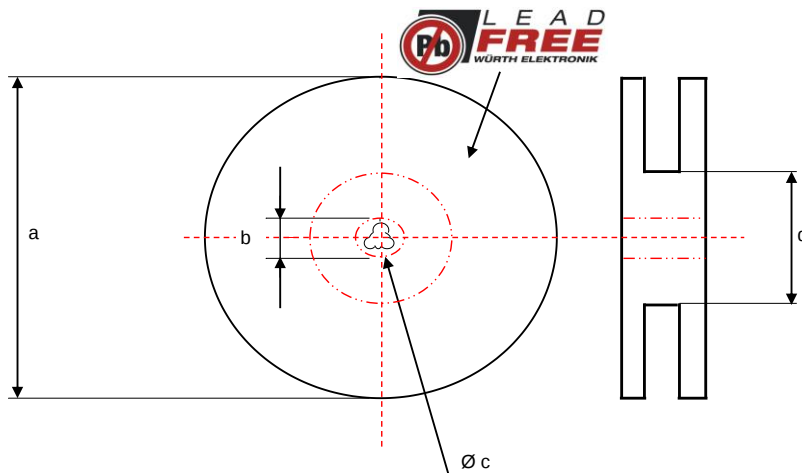
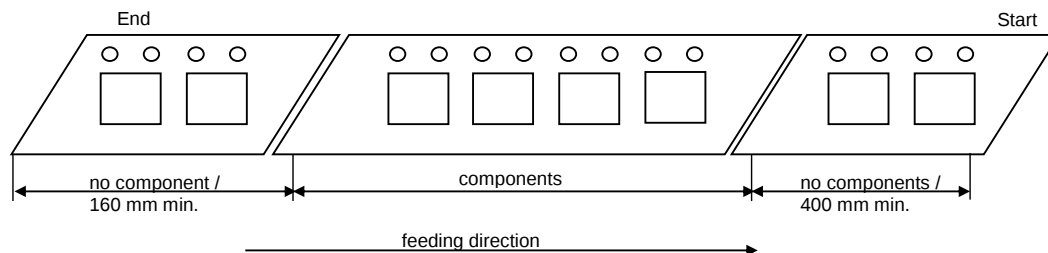
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I Rollenspezifikation / tape and reel specification:

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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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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