

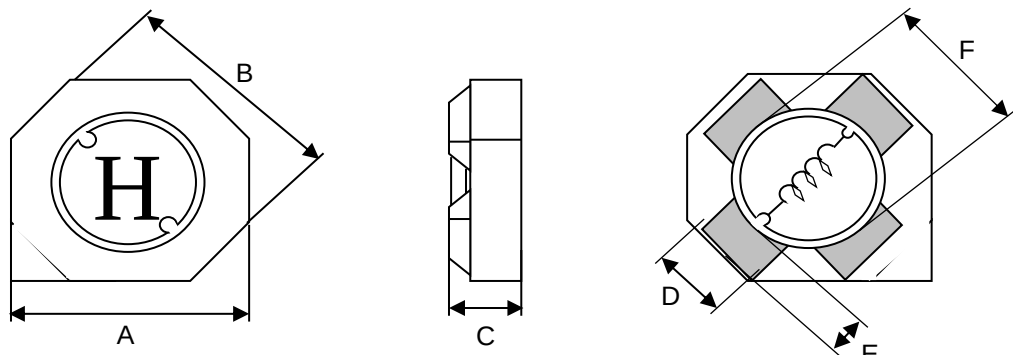
Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : 7440300047
Bezeichnung : SPEICHERDROSSEL WE-TPC
description : POWER-INDUCTOR WE-TPC



DATUM / DATE : 2012-02-06

A Mechanische Abmessungen / dimensions:

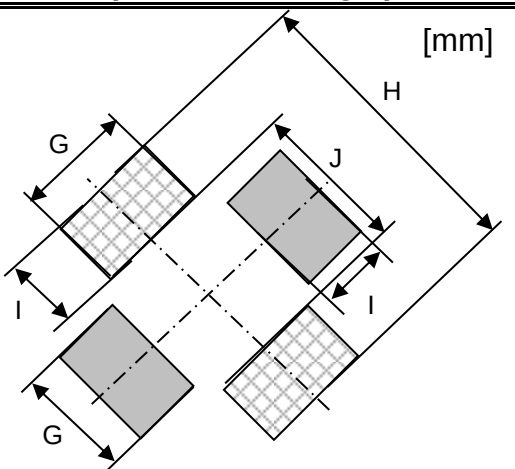


	Typ 3510	
A	3.3 ± 0.2	mm
B	3.5 ± 0.2	mm
C	0.95 ± 0.10	mm
D	1.10 typ.	mm
E	0.5 typ.	mm
F	2.3 typ.	mm
G	1.3 typ.	mm
H	4.2 typ.	mm
I	1.2 typ.	mm
J	1.8 typ.	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität inductance	100 kHz / 0.1V	L	0,47	µH	± 35%
DC-Widerstand DC-resistance	@ 20°C	R _{DC} typ	0,048	Ω	typ.
DC-Widerstand DC-resistance	@ 20°C	R _{DC} max	0,064	Ω	max.
Nennstrom rated Current	ΔT = 40 K	I _N	1,45	A	max.
Sättigungsstrom saturation current	ΔL/L = -35%	I _{sat}	1,80	A	typ.
Eigenres.-Frequenz self-res.-frequency		SRF	270	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			
Datum / date	Unterschrift / signature			
	Würth Elektronik			
Geprüft / checked	Kontrolliert / approved	CZ	Version 1	12-02-06
		Name	Änderung / modification	Datum / date

Würth Elektronik eiSos GmbH & Co. KG

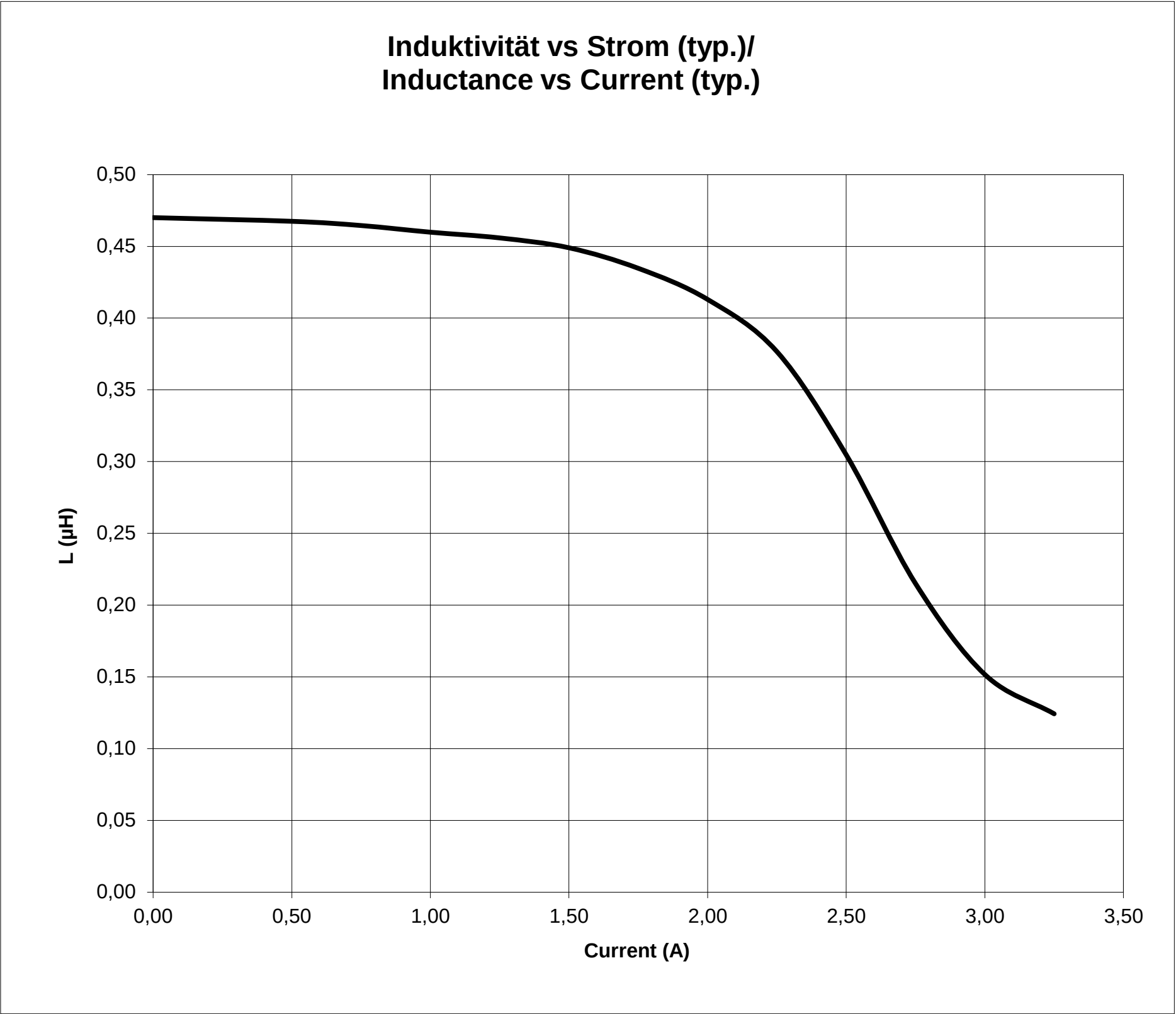
D-74638 Waldenburg · Max-Eyth-Strasse 1 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400
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H Induktivitätskurve / Inductance curve:



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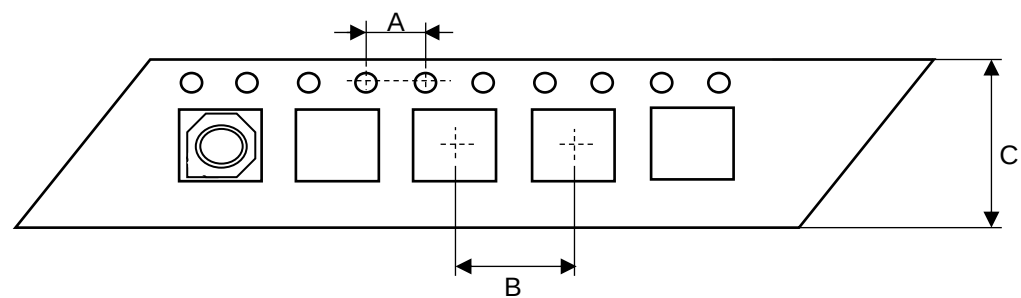
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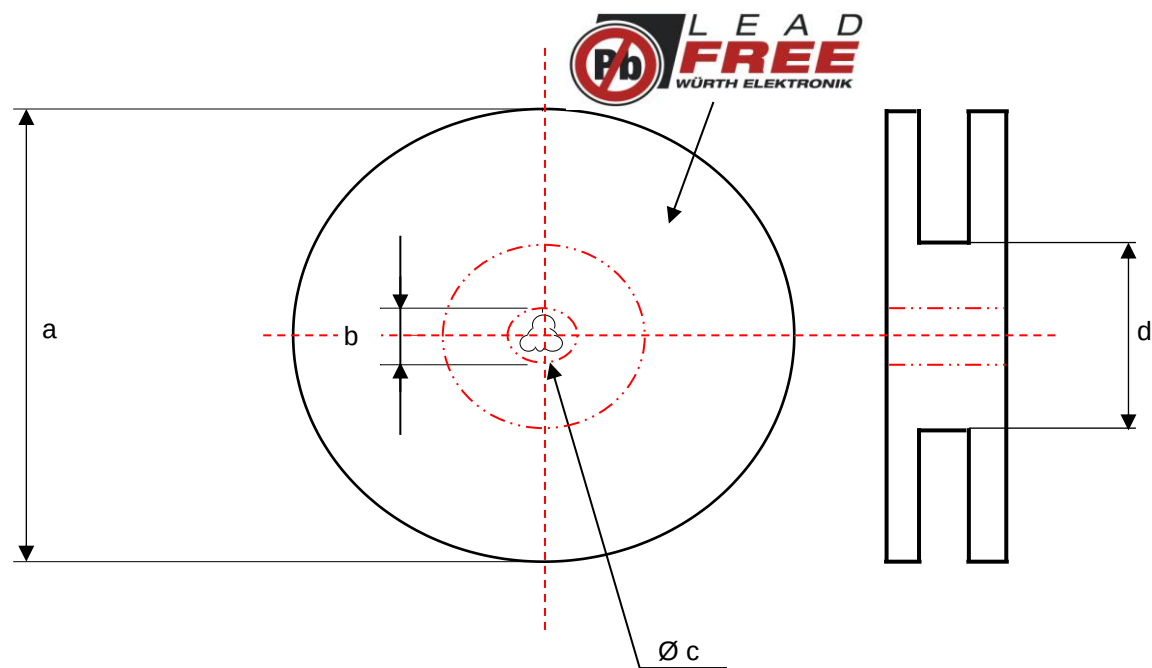
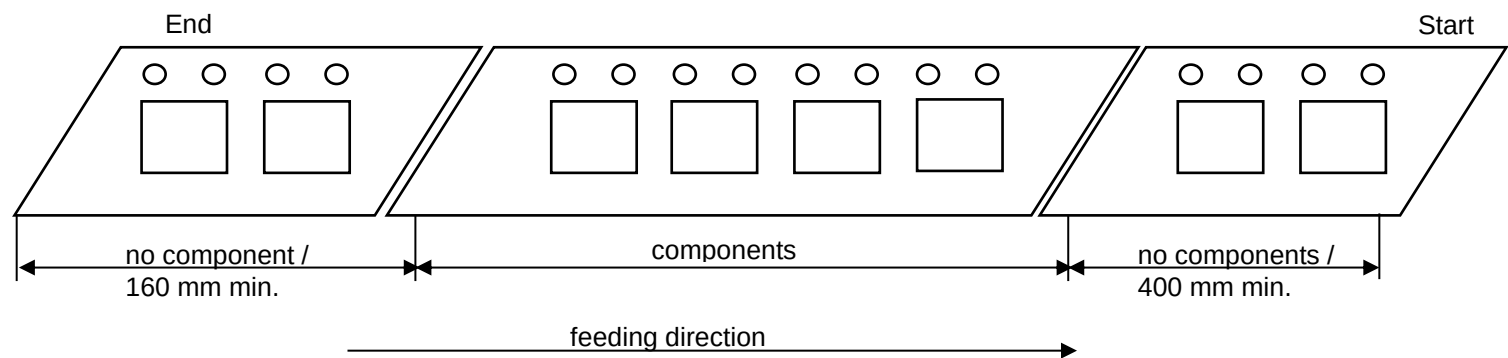
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I Rollenspezifikation / tape and reel specification:

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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