

Product/Process Change Notice (PCN)



- Major change
 Minor change

PCN #: PCN_WE-
TPC_20130104_COt_744030001

Product Affected: 744030001

Effective Date: 2013-02-01
Contact: Key Account Management

Phone: 07942 945 0

Fax: 07942 945 5000

E-mail: PCN@we-online.de

- Product Mark
 Date Code
 Packaging
 Others

Attachment: Yes No

Samples:

DESCRIPTION AND PURPOSE OF CHANGE:

We correct the inductance tolerance in the datasheet of the part 744030001 to 1,2µH +/-35%.

DETAIL OF CHANGE:

Due to a database mistake we have to adjust the inductance tolerance in the datasheet of the part 744030001.

Current specification value in the datasheet: 1,2µH +20%/-35%

New specification value in the datasheet: 1,2µH +/-35%.

There is no physical change of the component material and/or number of winding turns which affect or change the electrical parameters and performance of the part. Only the datasheet tolerance will be updated.

RELIABILITY / QUALIFICATION SUMMARY:

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DATA SHEET CHANGE: Yes No

Würth Elektronik eiSos GmbH & Co. KG

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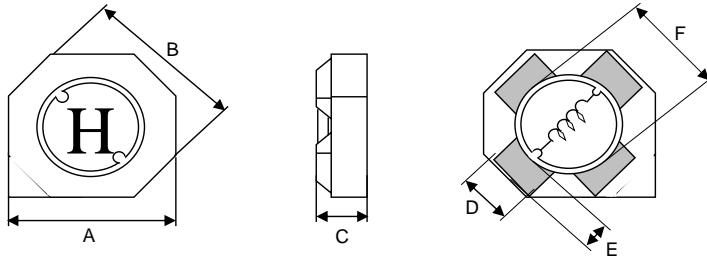
Spezifikation für Freigabe / specification for release

Kunde / customer :
 Artikelnummer / part number : **744030001**
 Bezeichnung : **SPEICHERDROSSEL WE-TPC**
 description : **POWER-INDUCTOR WE-TPC**



DATUM / DATE : 2013-02-01

A Mechanische Abmessungen / dimensions:

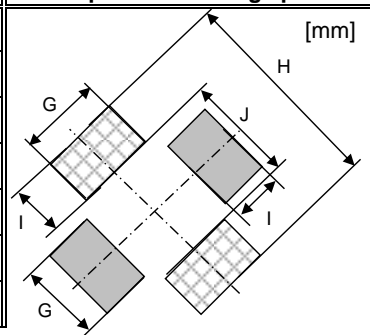


	Typ 3510	
A	3.3 ± 0.2	mm
B	3.5 ± 0.2	mm
C	0.95 ± 0.10	mm
D	1.10 typ.	mm
E	0.5 typ.	mm
F	2.3 typ.	mm
G	1.3 typ.	mm
H	4.2 typ.	mm
I	1.2 typ.	mm
J	1.8 typ.	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität inductance	100 kHz / 0.1V	L	1,20	μH	± 35%
DC-Widerstand DC-resistance	@ 20°C	R _{DC typ}	0,095	Ω	typ.
DC-Widerstand DC-resistance	@ 20°C	R _{DC max}	0,115	Ω	max.
Nennstrom rated Current	ΔT = 40 K	I _N	1,00	A	max.
Sättigungsstrom saturation current	ΔL/L = -35%	I _{sat}	1,10	A	typ.
Eigenres.-Frequenz self-res.-frequency		SRF	210	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		
	Unterschrift / signature		
Datum / date	Würth Elektronik		
Geprüft / checked	Kontrolliert / approved		
	Name		
	COt	Version 6	13-02-01
	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
	Änderung / modification		Datum / date

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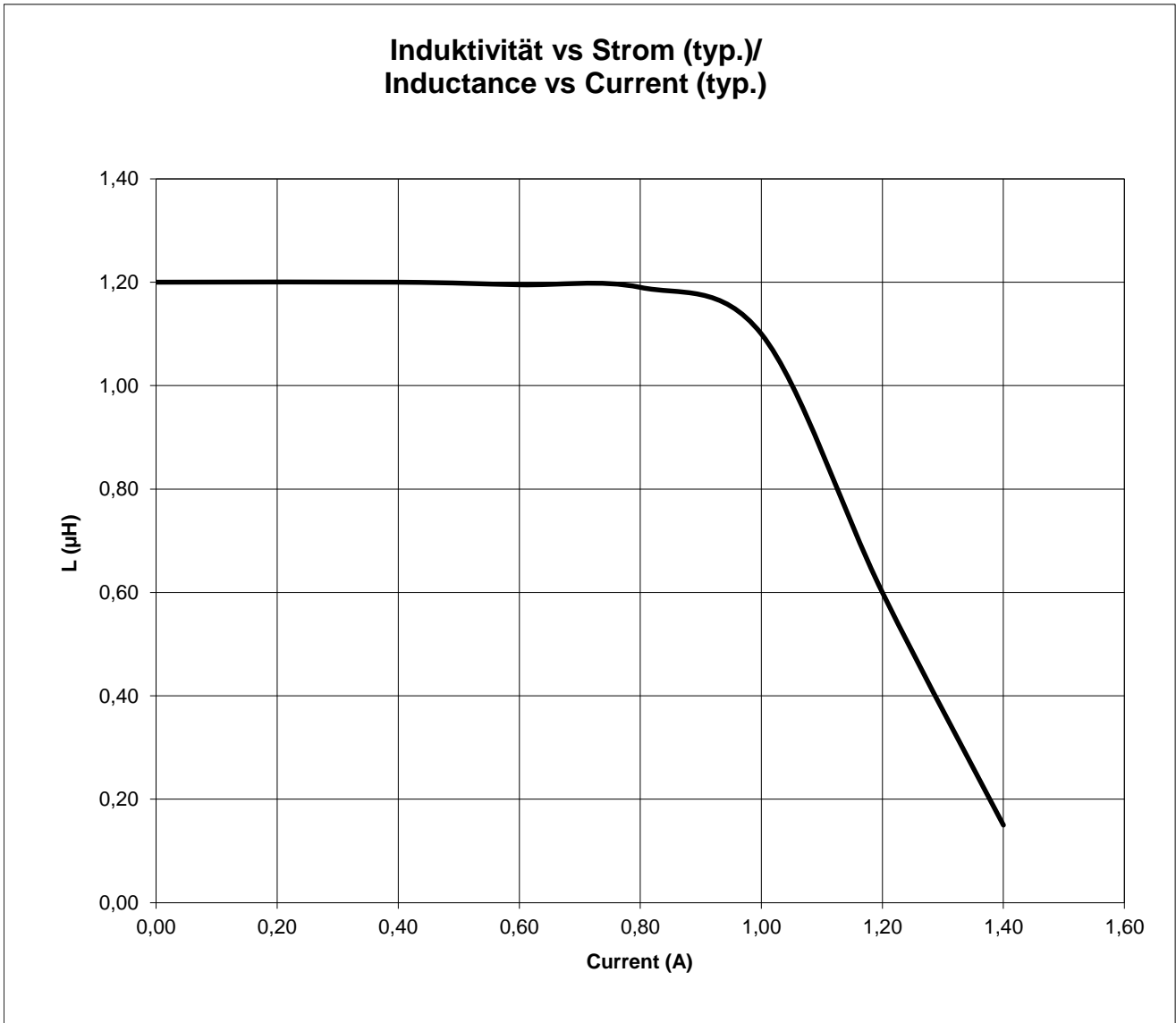
Spezifikation für Freigabe / specification for release

Kunde / customer :
 Artikelnummer / part number : **744030001**
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 description : **POWER-INDUCTOR WE-TPC**



DATUM / DATE : 2013-02-01

H Induktivitätskurve / Inductance curve:



Freigabe erteilt / general release:	Kunde / customer			
		COt	Version 6	13-02-01
Datum / date	Unterschrift / signature	MST	Version 5	08-04-11
	Würth Elektronik	MST	Version 4	06-09-12
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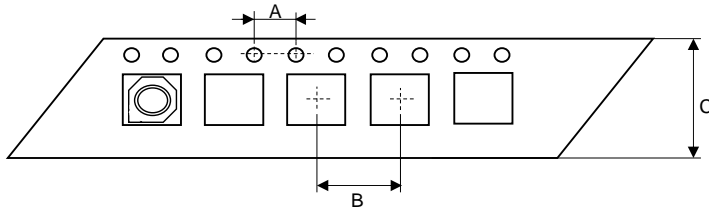
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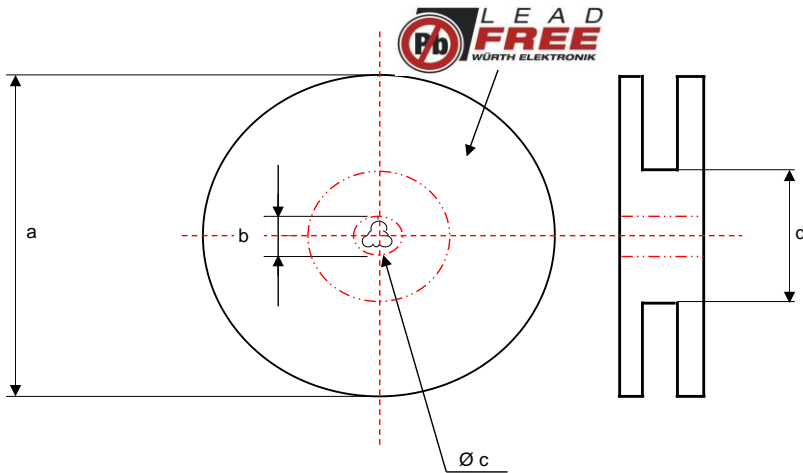
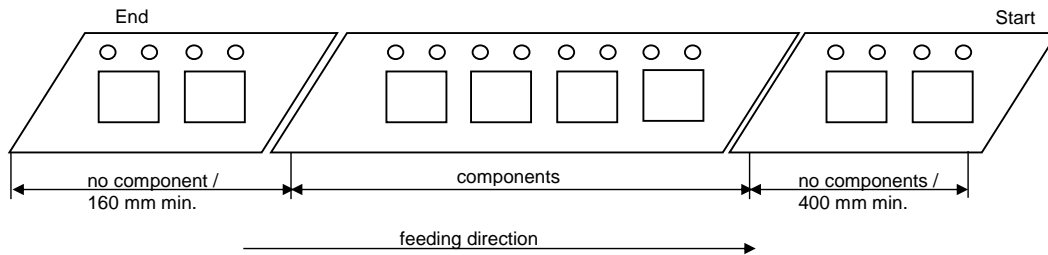
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I Rollenspezifikation / tape and reel specification:

Gurtspezifikation / Tape specification:



A	4,00 ± 0,1	mm
B	8,00 ± 0,1	mm
C	12,0 ± 0,2	mm



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	COt	Version 6
Geprüft / checked	Würth Elektronik	Kontrolliert / approved	MST	Version 5
			SSt	Version 3
			MST	Version 2
			AG	Version 1
			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.

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