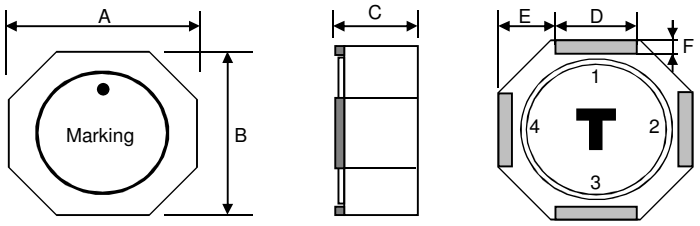
Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : **74489440068**

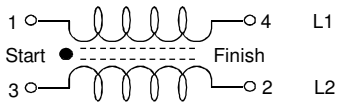
Bezeichnung : **SPEICHERDROSSEL WE-TDC 8038**
description : **COUPLED INDUCTOR WE-TDC 8038**

DATUM / DATE : 2010-08-31

A Mechanische Abmessungen / dimensions:



	8038	
A	**8,0 ± 0,3**	mm
B	**8,0 ± 0,3**	mm
C	**3,8 ± 0,3**	mm
D	**3,2 typ.**	mm
E	**2,4 typ.**	mm
F	**1,0 typ.**	mm



● start of winding

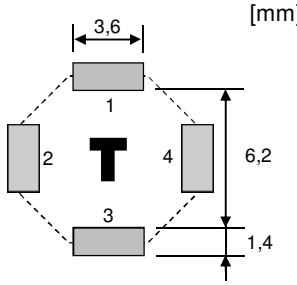
B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität (je Wicklg.) / inductance (each wdg.)	**100 kHz / 5mA**	L_1, L_2	6,8	µH	**+/-30%**
DC-Widerstand (je Wicklg.) / DC-resistance (each wdg.)	**@ 20°C**	$R_{DC1,2\ typ}$	88	mΩ	**typ.**
DC-Widerstand (je Wicklg.) / DC-resistance (each wdg.)	**@ 20°C**	$R_{DC1,2\ max}$	100	mΩ	**max.**
Nennstrom (je Wicklg.) [1] / rated Current (each wdg.) [1]	**ΔT = 40 K**	I_{N1}, I_{N2}	1,45	A	**typ.**
Sättigungsstrom (je Wicklg.) / saturation current (each wdg.)	**ΔL/L < 10%**	I_{sat}	3,2	A	**typ.**
Eigenres.-Frequenz / self-res.-fequency		SRF	25	MHz	**typ.**
Nennspannung / rated Voltage		U_{DC}	80	V	**max.**

[1] Stromfluss durch beide Wicklungen verursacht ΔT / both windings driven by rated current will occur ΔT

C Lötpad / soldering spec.:

[mm]



D Prüfgeräte / test equipment:

WAYNE KERR 3260B für/for L_0; I_{SAT}

Agilent N5776A für/for $I_{DC;}$

GMC Metrahit 27I für/for R_{DC}

Agilent E4991A für/for SRF

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
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:

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

ALa	Version 1	10-08-31
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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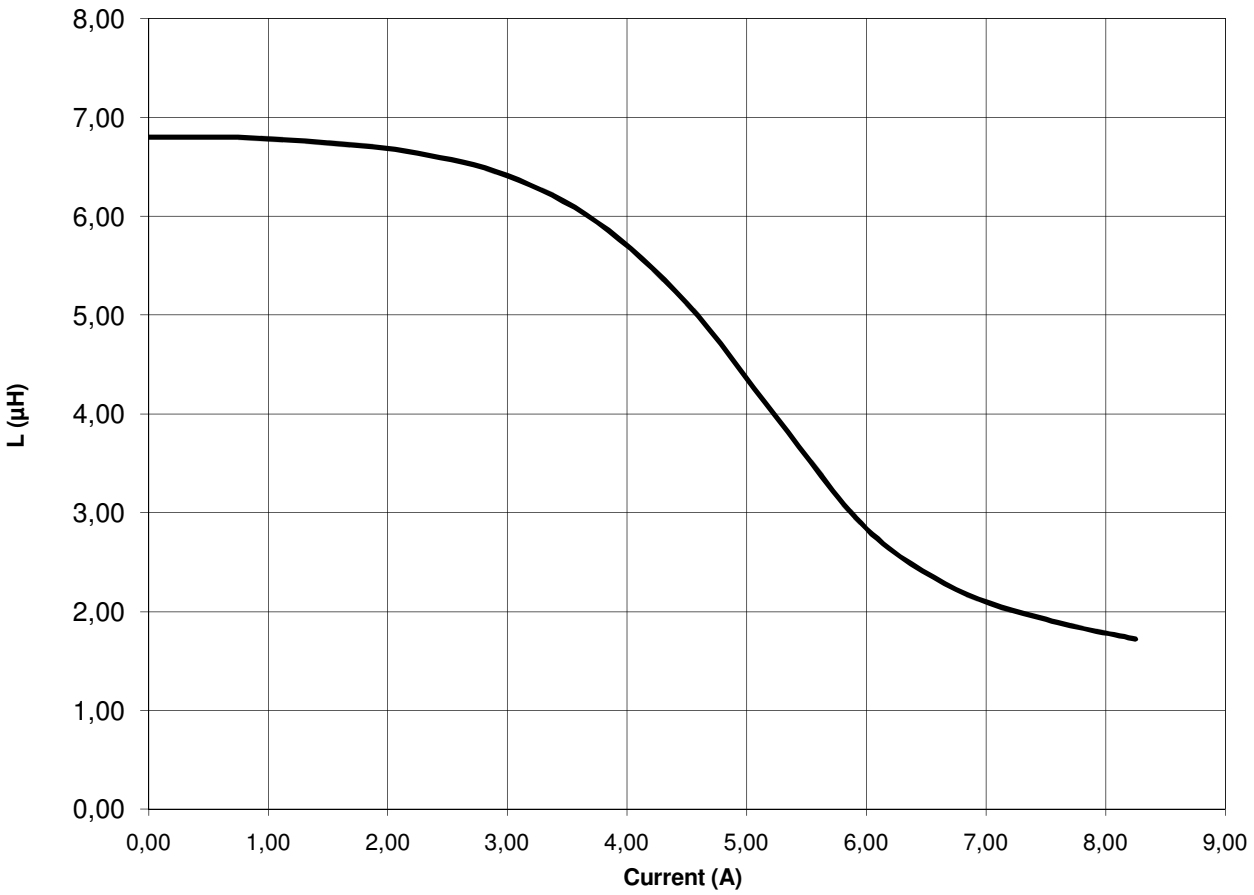
DATUM / DATE : 2010-08-31

H Induktivitätskurve / Inductance curve:



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	Würth Elektronik			
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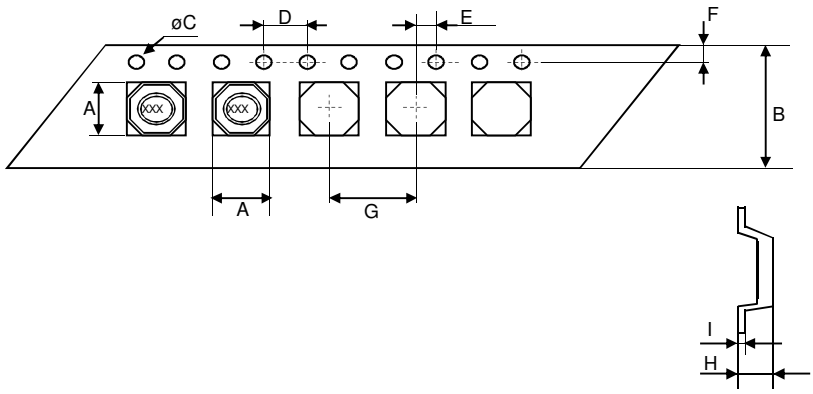
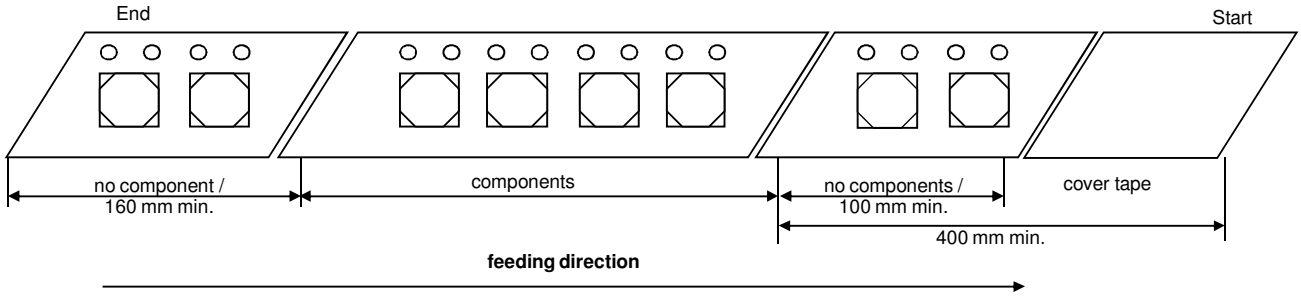
DATUM / DATE : 2010-08-31

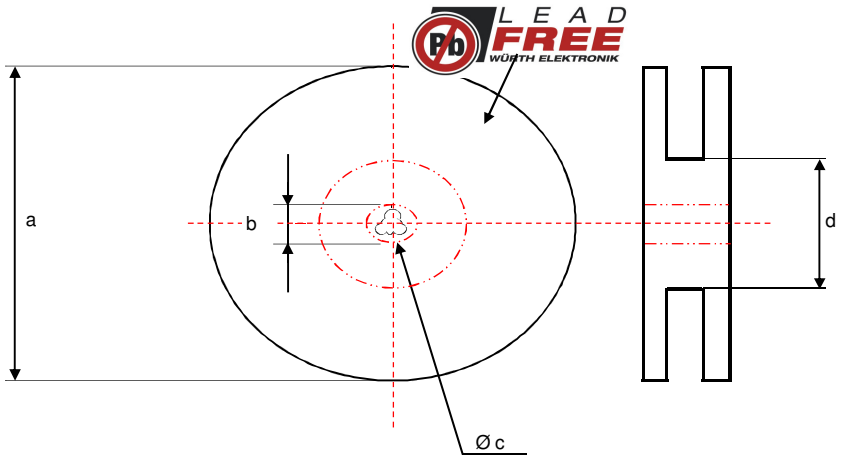
I Rollenspezifikation / tape and reel specification:

Gurtspezifikation / Tape specification:



A	**8,4 ± 0,1**	mm
B	**16,0 ± 0,3**	mm
C	**1,5 + 0,1**	mm
D	**4,0 ± 0,1**	mm
E	**2,0 ± 0,1**	mm
F	**7,5 ± 0,1**	mm
G	**12,0 ± 0,1**	mm
H	**4,1 ± 0,1**	mm
I	**0,4 ± 0,05**	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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Würth Elektronik			
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