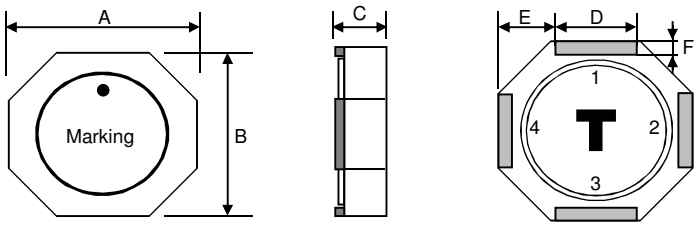
Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : **74489430220**

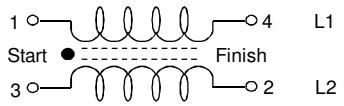
Bezeichnung : **SPEICHERDROSSEL WE-TDC 8018**
description : **COUPLED INDUCTOR WE-TDC 8018**

DATUM / DATE : 2010-08-31

A Mechanische Abmessungen / dimensions:



	8018	
A	**8,0 ± 0,3**	mm
B	**8,0 ± 0,3**	mm
C	**1,8 ± 0,3**	mm
D	**3,2 typ.**	mm
E	**2,4 typ.**	mm
F	**1,0 typ.**	mm



● start of winding

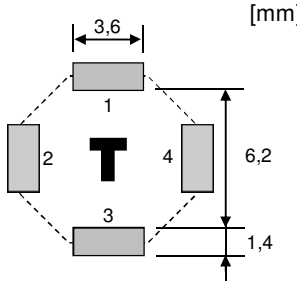
B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität (je Wicklg.) / inductance (each wdg.)	**100 kHz / 5mA**	L_1, L_2	22	µH	**+/-20%**
DC-Widerstand (je Wicklg.) / DC-resistance (each wdg.)	**@ 20℃**	$R_{DC1,2\ typ}$	435	mΩ	**typ.**
DC-Widerstand (je Wicklg.) / DC-resistance (each wdg.)	**@ 20℃**	$R_{DC1,2\ max}$	480	mΩ	**max.**
Nennstrom (je Wicklg.) [1] / rated Current (each wdg.) [1]	**ΔT = 40 K**	I_{N1}, I_{N2}	0,70	A	**typ.**
Sättigungsstrom (je Wicklg.) / saturation current (each wdg.)	**ΔL/L < 10%**	I_{sat}	1,1	A	**typ.**
Eigenres.-Frequenz / self-res.-fequency		SRF	17	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℃

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℃ - +125℃

Umgebungstemp. / ambient temperature: -40℃ - +85℃

It is recommended that the temperature of the part does not exceed 125℃ under worst case operating conditions.

Freigabe erteilt / general release:

Kunde / customer	Würth Elektronik
Datum / date	Unterschrift / signature
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
http://www.we-online.de

Spezifikation für Freigabe / specification for release

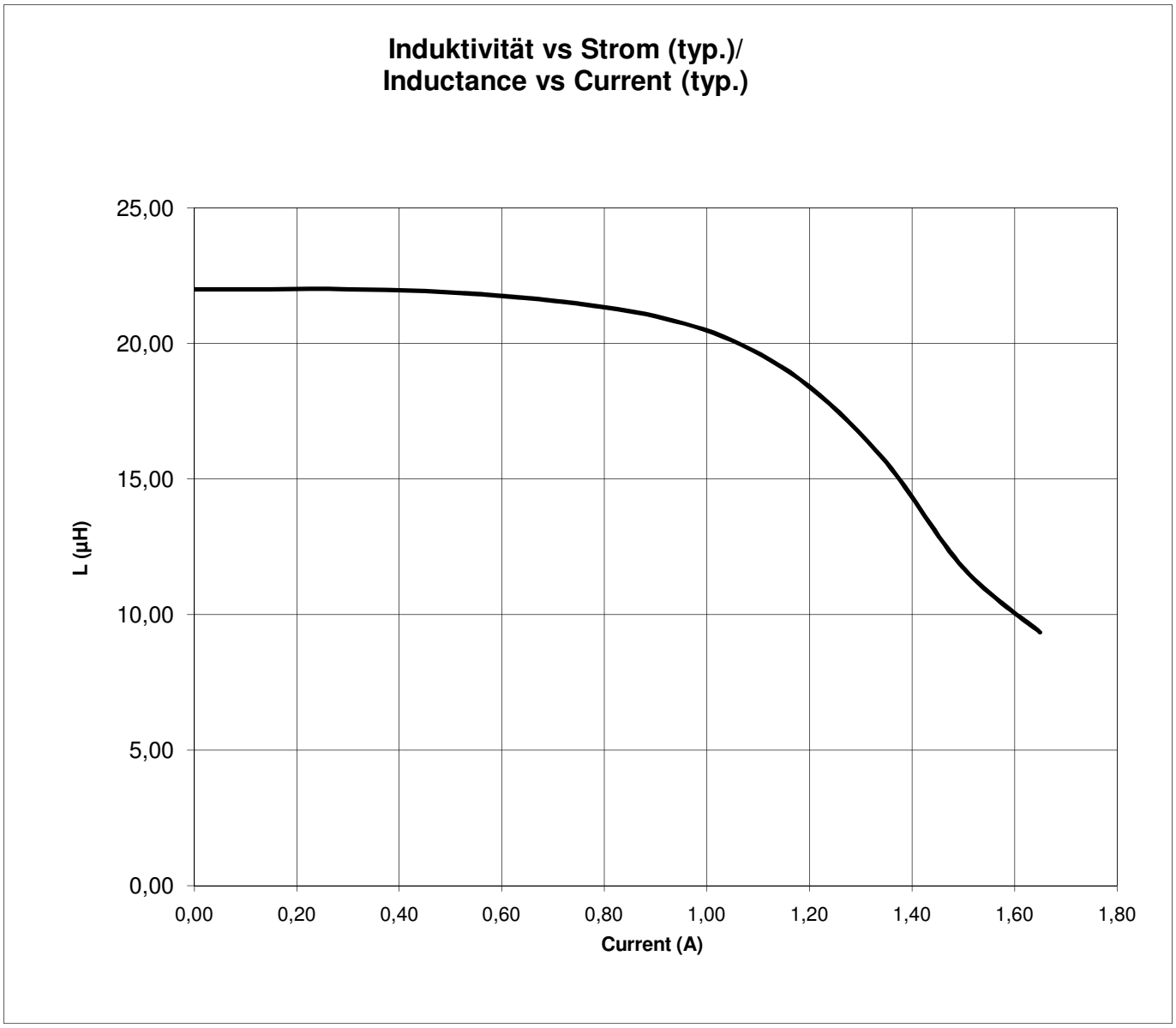
Kunde / customer :
Artikelnummer / part number : **74489430220**
Bezeichnung : **SPEICHERDROSSEL WE-TDC 8018**
description : **COUPLED INDUCTOR WE-TDC 8018**

COMPLIANT RoHS&REACh WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

DATUM / DATE : 2010-08-31

H Induktivitätskurve / Inductance curve:



Freigabe erteilt / general release:	**Kunde / customer**			
Datum / date	Unterschrift / signature			
	Würth Elektronik			
		ALa	Version 1	10-08-31
Geprüft / checked	Kontrolliert / approved	Name	**Änderung / modification**	Datum / date

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Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **74489430220**

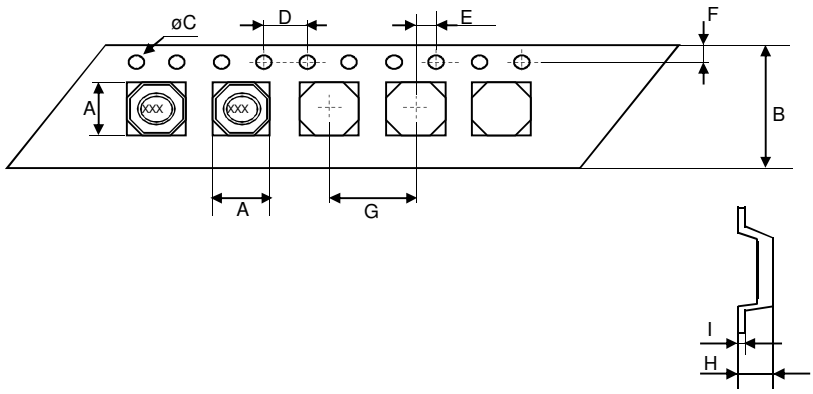
Bezeichnung : **SPEICHERDROSSEL WE-TDC 8018**

description : **COUPLED INDUCTOR WE-TDC 8018**

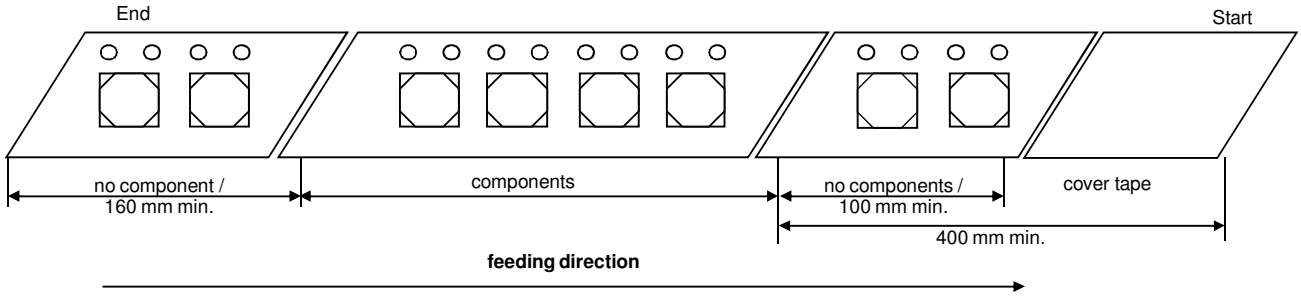
DATUM / DATE : 2010-08-31

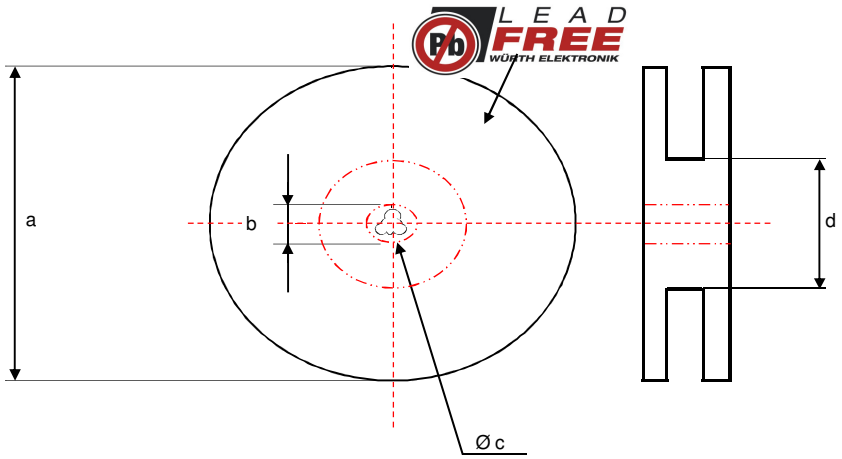
I Rollenspezifikation / tape and reel specification:

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	**2,0 ± 0,1**	mm
I	**0,3 ± 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

Freigabe erteilt / general release:

Kunde / customer			
Datum / date	Unterschrift / signature		
Würth Elektronik			
		ALa	Version 1	10-08-31
Geprüft / checked	Kontrolliert / approved	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.

Würth Elektronik eiSos GmbH & Co. KG

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