

## Excellent Integrated System Limited

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[Wurth Electronics Inc](#)  
[744873004](#)

For any questions, you can email us directly:

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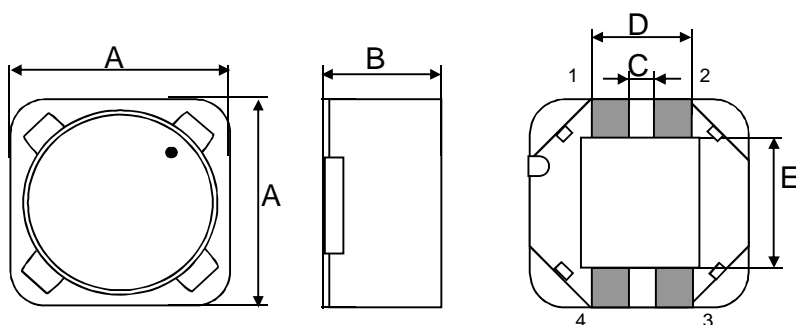
## Spezifikation für Freigabe / specification for release

Kunde / customer :  
 Artikelnummer / part number : **744873004**  
 Bezeichnung : **DOPPELDROSSEL WE-DD**  
 description : **POWER-CHOKE WE-DD**

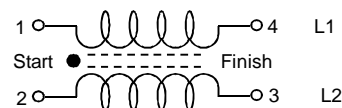


DATUM / DATE : 2009-11-01

### A Mechanische Abmessungen / dimensions:



	Typ XL	
A	12,5 max.	mm
B	8,5 max.	mm
C	1,5 ± 0,2	mm
D	4,9 ± 0,2	mm
E	7,3 ± 0,5	mm



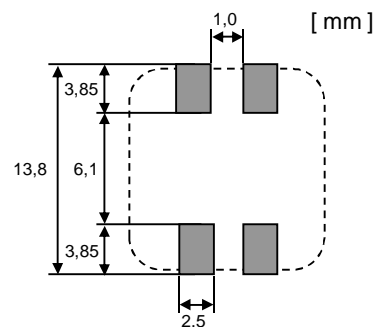
### B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität (je Wicklg.) / inductance (each wdg.)	100 kHz / 5mA	L <sub>1</sub> , L <sub>2</sub>	4,7	µH	±20%
DC-Widerstand (je Wicklg.) / DC-resistance (each wdg.)	@ 20°C	R <sub>DC1,2 typ</sub>	19,0	mΩ	typ.
DC-Widerstand (je Wicklg.) / DC-resistance (each wdg.)	@ 20°C	R <sub>DC1,2 max</sub>	24,0	mΩ	max.
Nennstrom (je Wicklg.) <sup>(1)</sup> / rated Current (each wdg.) <sup>(1)</sup>	ΔT = 40 K	I <sub>N1</sub> , I <sub>N2</sub>	4,87	A	max.
Sättigungsstrom (je Wicklg.) / saturation current (each wdg.)	ΔL/Lo = -10%	I <sub>sat</sub>	10,00	A	typ.
Eigenres.-Frequenz <sup>(2)</sup> / self-res.-frequency <sup>(2)</sup>		SRF	32,00	MHz	typ.
Nennspannung / rated voltage		U <sub>DC</sub>	80,0	V	max.

<sup>(1)</sup> both windings driven by rated current will occur ΔT /  
 Stromfluss durch beide Wicklungen verursachen ΔT

<sup>(2)</sup> both windings in parallel /  
 beide Wicklungen parallel

### C Lötbad / soldering spec.:



### D Prüfgeräte / test equipment:

WK 3260B für/for L und/and I<sub>DC</sub>  
 GMC Metrahit 271 für/for R<sub>DC</sub>  
 HP 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: 2 SFHW; 180°C  
 UL-File Number: E174837

### 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	
.....		.....	
.....		OO	Version 1
.....		Name	Änderung / modification
.....		Datum / date	

Würth Elektronik eiSos GmbH & Co. KG

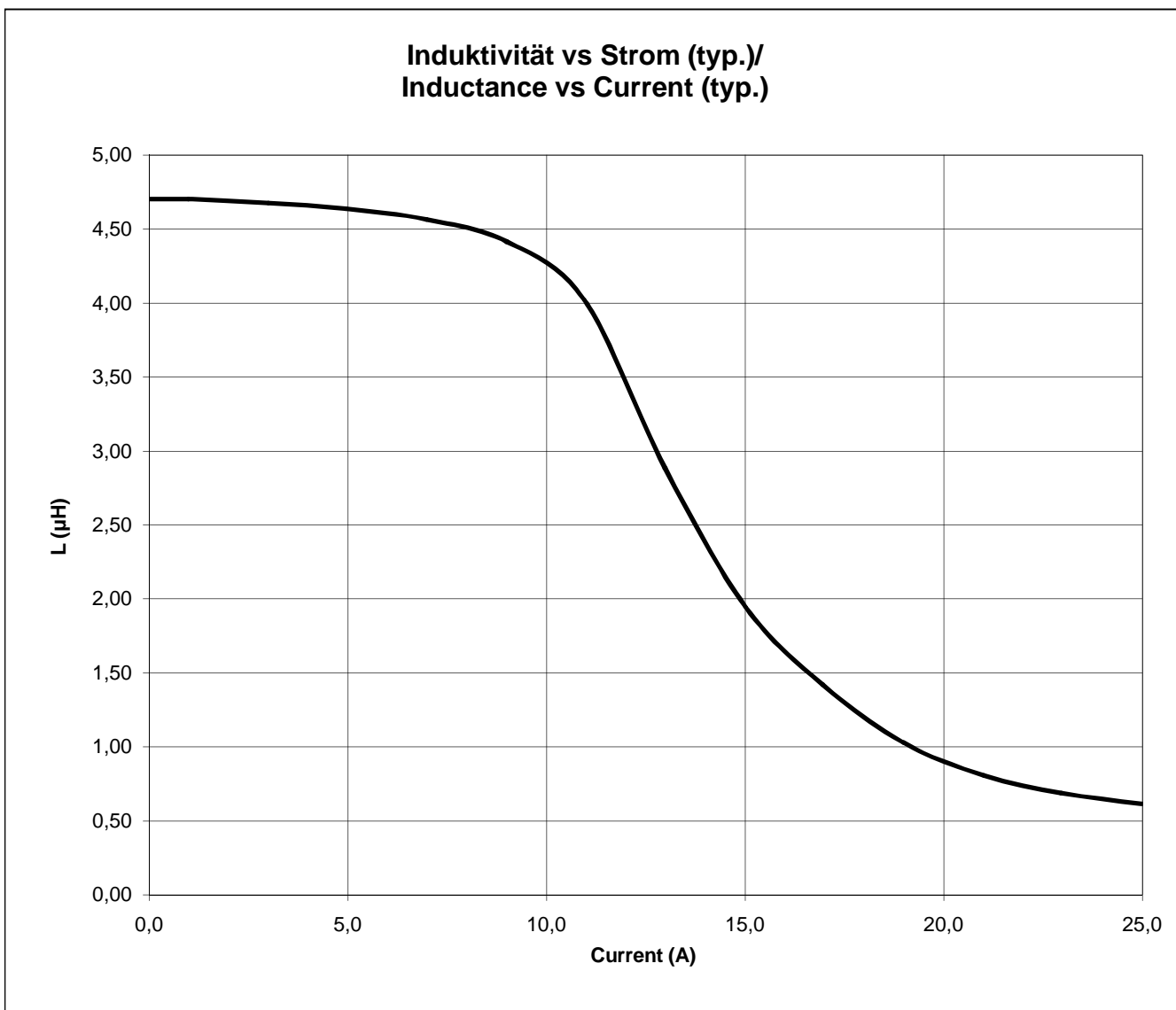
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**H Induktivitätskurve / Inductance curve:**



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.....	.....		
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	<b>Würth Elektronik</b>		
.....	.....		
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	OO	Version 1	09-11-01
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**Spezifikation für Freigabe / specification for release**

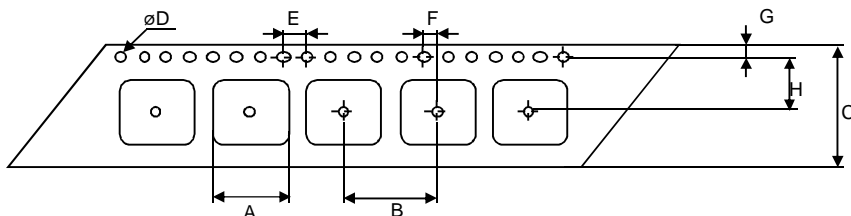
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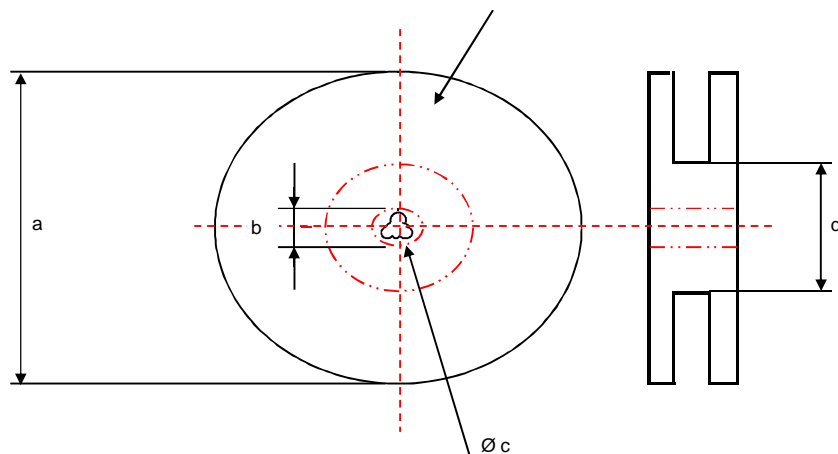
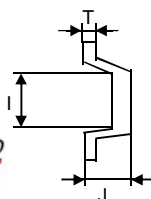
**DATUM / DATE : 2009-11-01**

**I Rollenspezifikation / tape and reel specification:**

**Gurtspezifikation / Tape specification:**

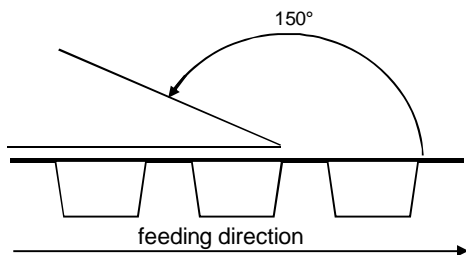


A	12,5 ± 0,1	mm
B	16,0 ± 0,1	mm
C	24,0 ± 0,3	mm
D	1,50 <sup>+0,1</sup> / <sub>-0,0</sub>	mm
E	4,00 ± 0,1	mm
F	2,00 ± 0,1	mm
G	1,75 ± 0,1	mm
H	11,5 ± 0,1	mm
I	12,6 ± 0,1	mm
J	8,50 ± 0,1	mm
T	0,40 ± 0,05	mm



**Rollenspezifikation / Reel specification:**

a	330,0 ± 2,0	mm
b	21,00 ± 0,8	mm
c	13,00 ± 0,5	mm
d	100,0 ± 1,0	mm



The force for tearing off cover tape is 20 to 70 grams in arrow direction

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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.