

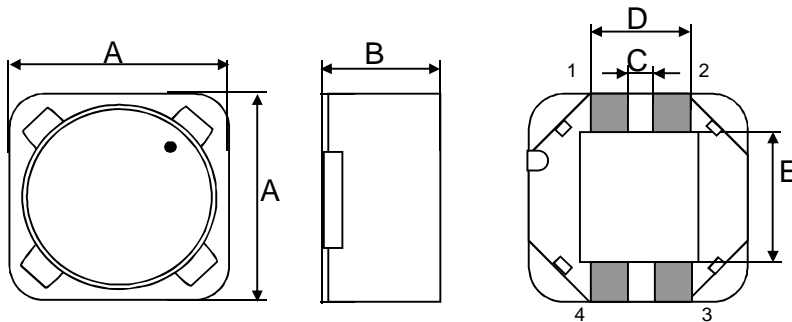
# Spezifikation für Freigabe / specification for release

Kunde / customer :  
 Artikelnummer / part number : **744873330**  
 Bezeichnung : **DOPPELDROSSEL WE-DD**  
 description : **POWER-CHOKE WE-DD**

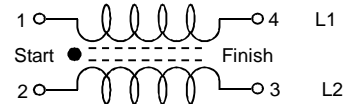


DATUM / DATE : 2009-11-01

## A Mechanische Abmessungen / dimensions:



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



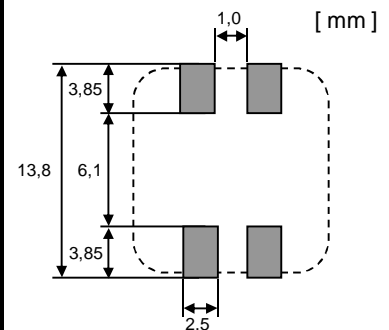
## B Elektrische Eigenschaften / electrical properties:

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>	<b>33,0</b>	μH	±20%
DC-Widerstand (je Wicklg.) / DC-resistance (each wdg.)	@ 20°C	R <sub>DC1,2 typ</sub>	<b>87,0</b>	mΩ	typ.
DC-Widerstand (je Wicklg.) / DC-resistance (each wdg.)	@ 20°C	R <sub>DC1,2 max</sub>	<b>105,0</b>	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>	<b>2,25</b>	A	max.
Sättigungsstrom (je Wicklg.) / saturation current (each wdg.)	ΔL/L <sub>0</sub> = -10%	I <sub>sat</sub>	<b>3,90</b>	A	typ.
Eigenres.-Frequenz <sup>(2)</sup> / self-res.-frequency <sup>(2)</sup>		SRF	<b>8,90</b>	MHz	typ.
Nennspannung / rated voltage		U <sub>DC</sub>	<b>80,0</b>	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 Lötpad / 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:	<b>Kunde / customer</b>		
..... Datum / date	..... Unterschrift / signature		
	<b>Würth Elektronik</b>		
..... Geprüft / checked	..... Kontrolliert / approved		
	OO	Version 1	09-11-01
	Name	Änderung / modification	Datum / date

**Würth Elektronik eiSos GmbH & Co. KG**

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<http://www.we-online.de>

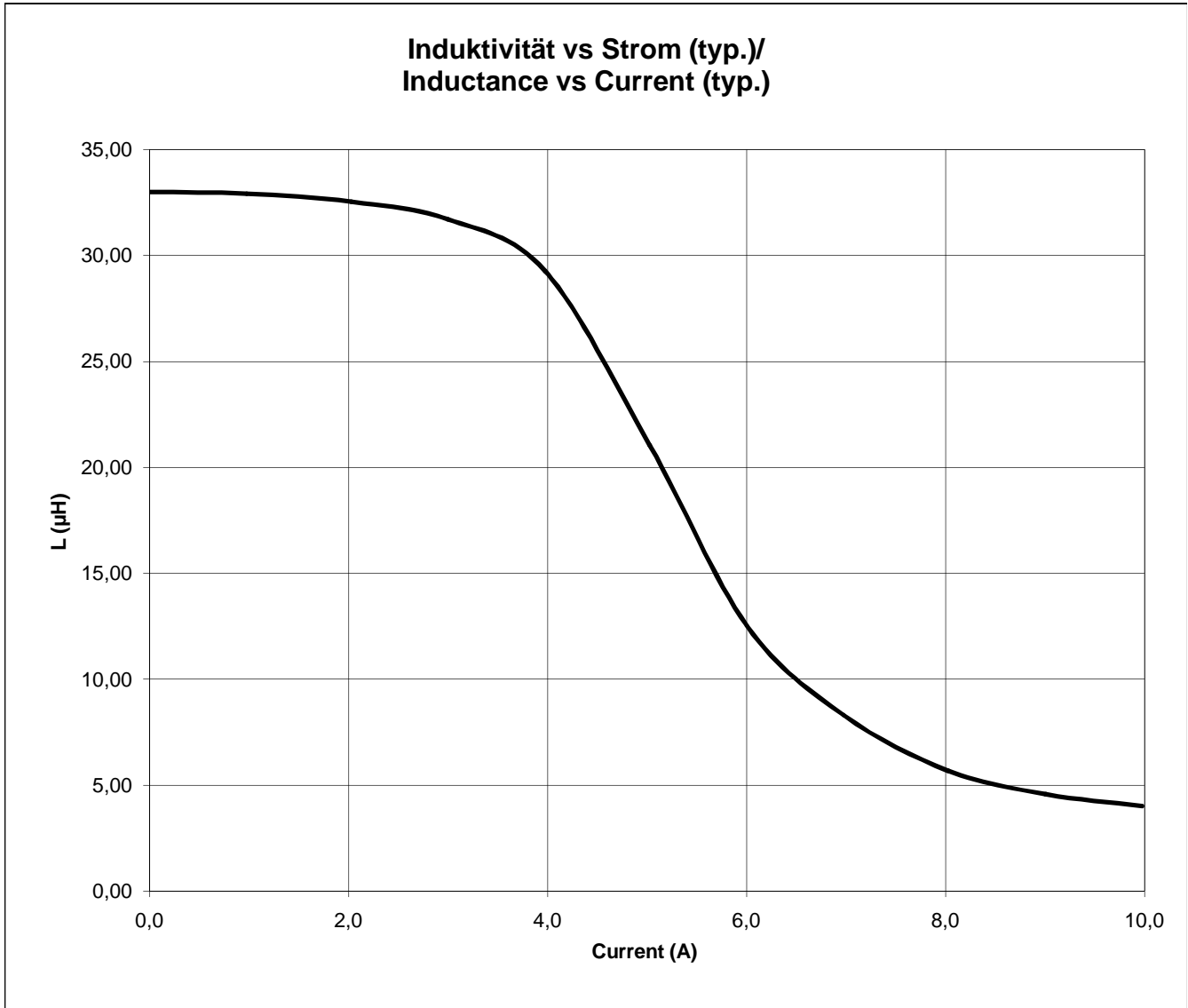
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## H Induktivitätskurve / Inductance curve:



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