

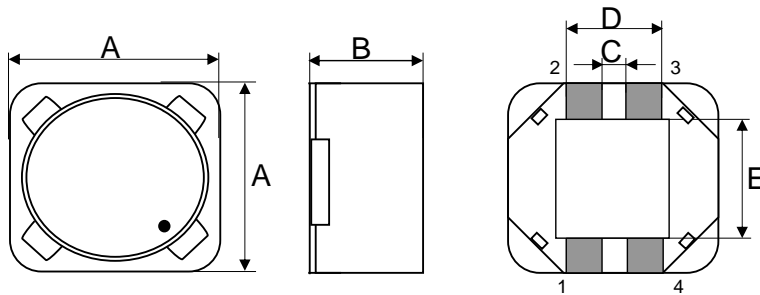
# Spezifikation für Freigabe / specification for release

Kunde / customer :  
 Artikelnummer / part number : **744877004**  
 Bezeichnung : **DOPPELDROSSEL WE-DD**  
 description : **POWER-CHOKER WE-DD**

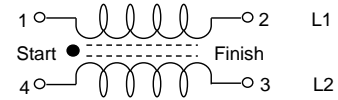


DATUM / DATE : 2005-05-23

## A Mechanische Abmessungen / dimensions:



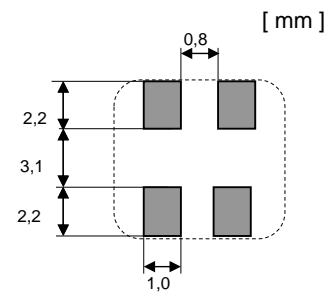
Typ M		
A	<b>7,3 ± 0,4</b>	mm
B	<b>4,8 max.</b>	mm
C	<b>1,0 ± 0,1</b>	mm
D	<b>2,7 ± 0,1</b>	mm
E	<b>4,0 ± 0,2</b>	mm
F		mm



## B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität (je Wicklg.) / inductance (each wdg.)	<b>1 kHz / 0,25V</b>	L <sub>1</sub> , L <sub>2</sub>	<b>4.7</b>	μH	<b>±20%</b>
DC-Widerstand (je Wicklg.) / DC-resistance (each wdg.)		R <sub>DC1,2</sub>	<b>0.052</b>	Ω	<b>typ.</b>
DC-Widerstand (je Wicklg.) / DC-resistance (each wdg.)		R <sub>DC1,2</sub>	<b>0.064</b>	Ω	<b>max.</b>
Nennstrom (je Wicklg.) / rated Current (each wdg.)	<b>ΔT = 40 K</b>	I <sub>R1</sub> , I <sub>R2</sub>	<b>2.55</b>	A	<b>max.</b>
Sättigungsstrom (je Wicklg.) / saturation current (each wdg.)	<b>ΔL/L = -10%</b>	I <sub>sat</sub>	<b>4.00</b>	A	<b>typ.</b>
Eigenres.-Frequenz / self-res.-frequency		f <sub>res</sub>	<b>42</b>	MHz	<b>typ.</b>
Nennspannung / rated voltage		U <sub>DC</sub>	<b>80</b>	V	<b>max.</b>

## C Lötpad / soldering spec.:



## D Prüfgeräte / test equipment:

**Wayne Kerr 3260B** für/for L und/and I<sub>sat</sub>  
**GMC Metrahit** für/for R<sub>DC</sub>  
**Agilent N5776A** für/for I<sub>R</sub>  
**Agilent E4991A** für/for f<sub>res</sub>

## E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity: 33%  
 Umgebungstemperatur / temperature: +20°C

## F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: Ferrit/ ferrite  
 Draht / wire: 2 SFBW; 155°C

## G Eigenschaften / general specifications:

Betriebstemperatur / 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		ArPa	Version 2	16-08-08
			OO	Version 1	09-09-01
			Name	Änderung / modification	Datum / date

### Würth Elektronik eiSos GmbH & Co.KG

D-74638 Waldenburg · Max-Eyth-Strasse 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400  
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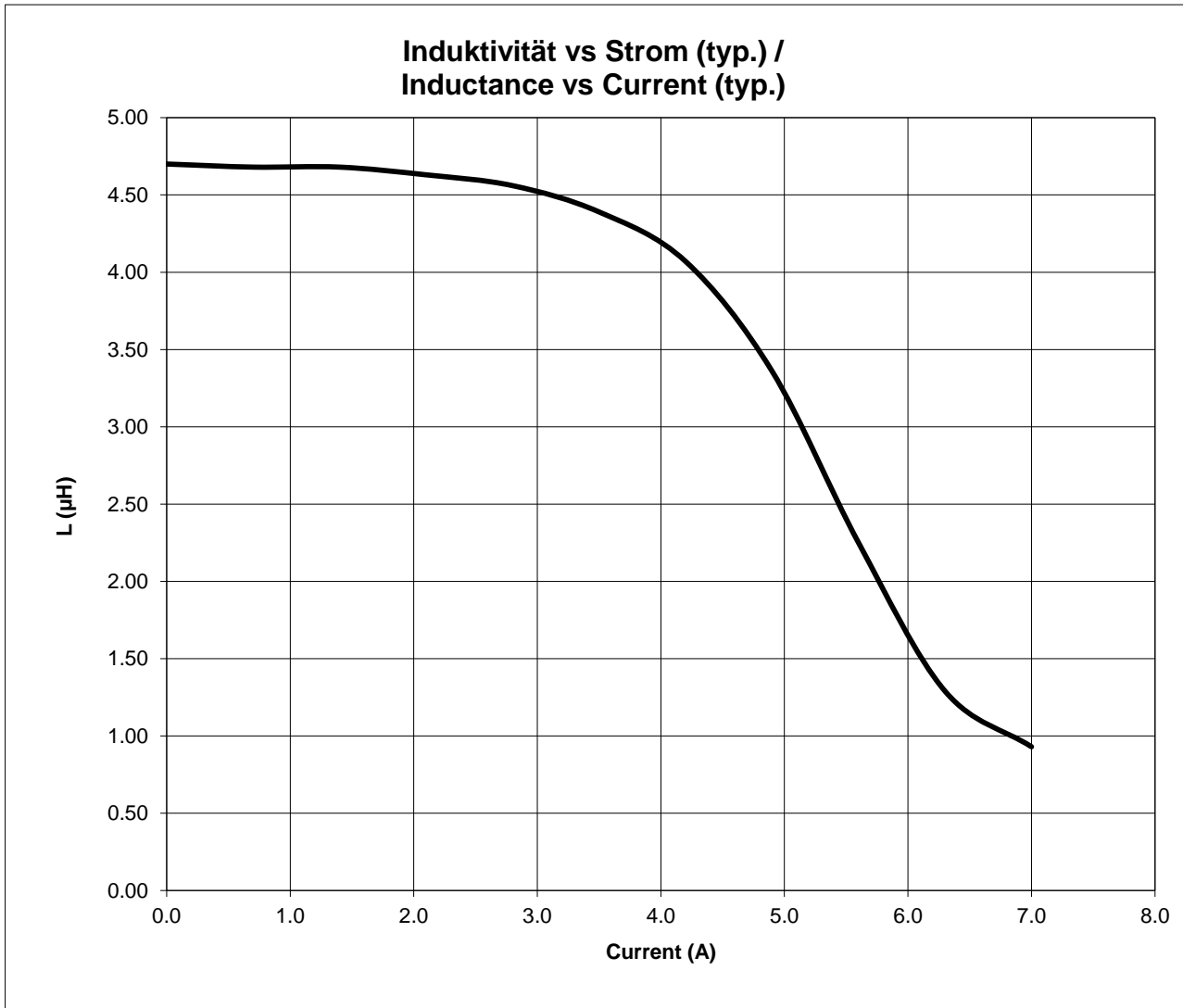
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 Artikelnummer / part number : **744877004**  
 Bezeichnung : **DOPPELDROSSEL WE-DD**  
 description : **POWER-CHOKE WE-DD**



DATUM / DATE : 2005-05-23

## H Induktivitätskurve / Inductance curve:



Freigabe erteilt / general release:	<b>Kunde / customer</b>			
Datum / date	Unterschrift / signature			
	<b>Würth Elektronik</b>			
Geprüft / checked	Kontrolliert / approved	ArPa	Version 2	16-08-08
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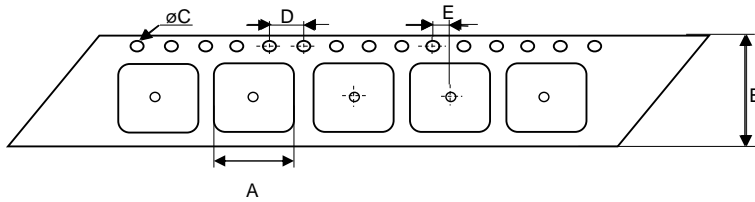
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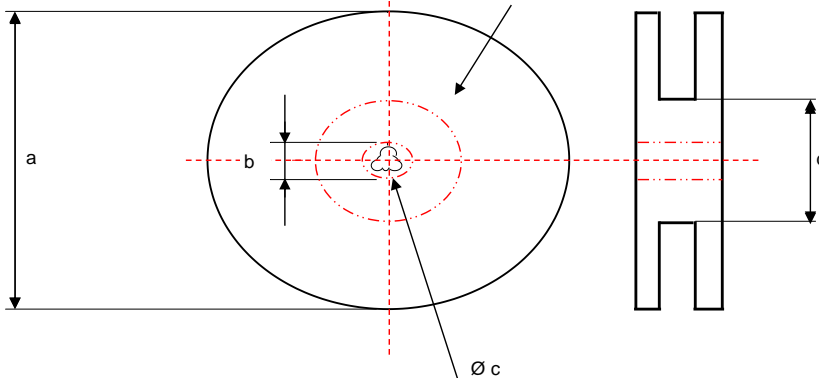
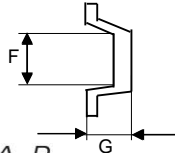
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## I Rollenspezifikation / tape and reel specification:

### Gurtspezifikation / Tape specification:

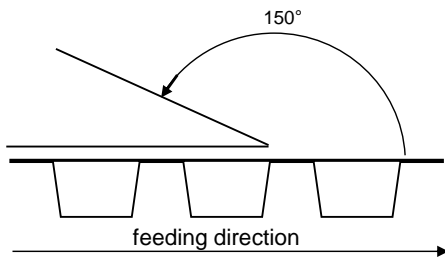


A	<b>10,0 ± 0,1</b>	mm
B	<b>16,0 ± 0,2</b>	mm
C	<b>1,50 +0,1 -0,0</b>	mm
D	<b>4,00 ± 0,1</b>	mm
E	<b>2,00 ± 0,1</b>	mm
F	<b>10,0 ± 0,1</b>	mm
G	<b>5,00 ± 0,1</b>	mm



### Rollenspezifikation / Reel specification:

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



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

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	Geprüft / checked	Kontrolliert / approved	ArPa	Version 2
			OO	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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