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[Wurth Electronics Inc](#)
[744871006](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

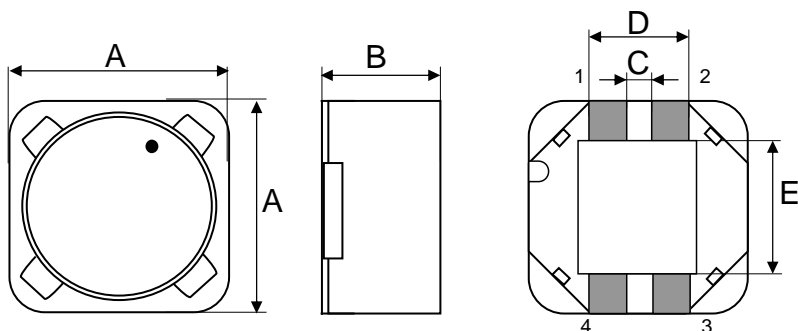
Spezifikation für Freigabe / specification for release

Kunde / customer :
 Artikelnummer / part number : **744871006**
 Bezeichnung : **DOPPELDROSSEL WE-DD**
 description : **POWER-CHOKE WE-DD**

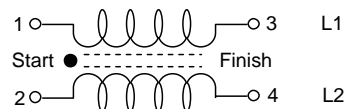


DATUM / DATE : 2006-10-16

A Mechanische Abmessungen / dimensions:



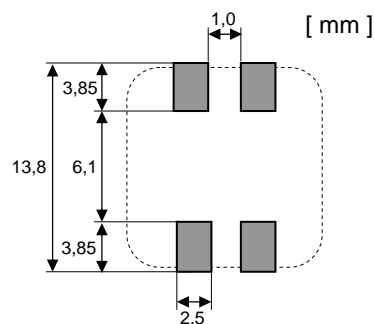
Typ L		
A	12,5 max.	mm
B	6,5 max	mm
C	1,5 ± 0,2	mm
D	4,9 ± 0,2	mm
E	7,3 ± 0,5	mm



B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität (je Wicklg.) / inductance (each wdg.)	1 kHz / 0,25V	L ₁ , L ₂	6.8	μH	±20%
DC-Widerstand (je Wicklg.) / DC-resistance (each wdg.)	@ 20°	R _{DC1,2 typ}	0.035	Ω	typ.
DC-Widerstand (je Wicklg.) / DC-resistance (each wdg.)	@ 20°	R _{DC1,2 max}	0.040	Ω	max.
Nennstrom (je Wicklg.) / rated Current (each wdg.)	ΔT = 40 K	I _{N1} , I _{N2}	2.80	A	max.
Sättigungsstrom (je Wicklg.) / saturation current (each wdg.)	ΔL/Lo = -10%	I _{sat}	6.50	A	typ.
Eigenres.-Frequenz / self-res.-frequency		SRF	20	MHz	typ.
Nennspannung / rated Voltage		U _{DC}	80	V	max.

C Lötpad / soldering spec.:



D Prüfgeräte / test equipment:

HP 4274 A für/for L und/and Q
 HP 34401 A für/for I_{DC} und/and R_{DC}

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

Würth Elektronik eiSos GmbH & Co.KG

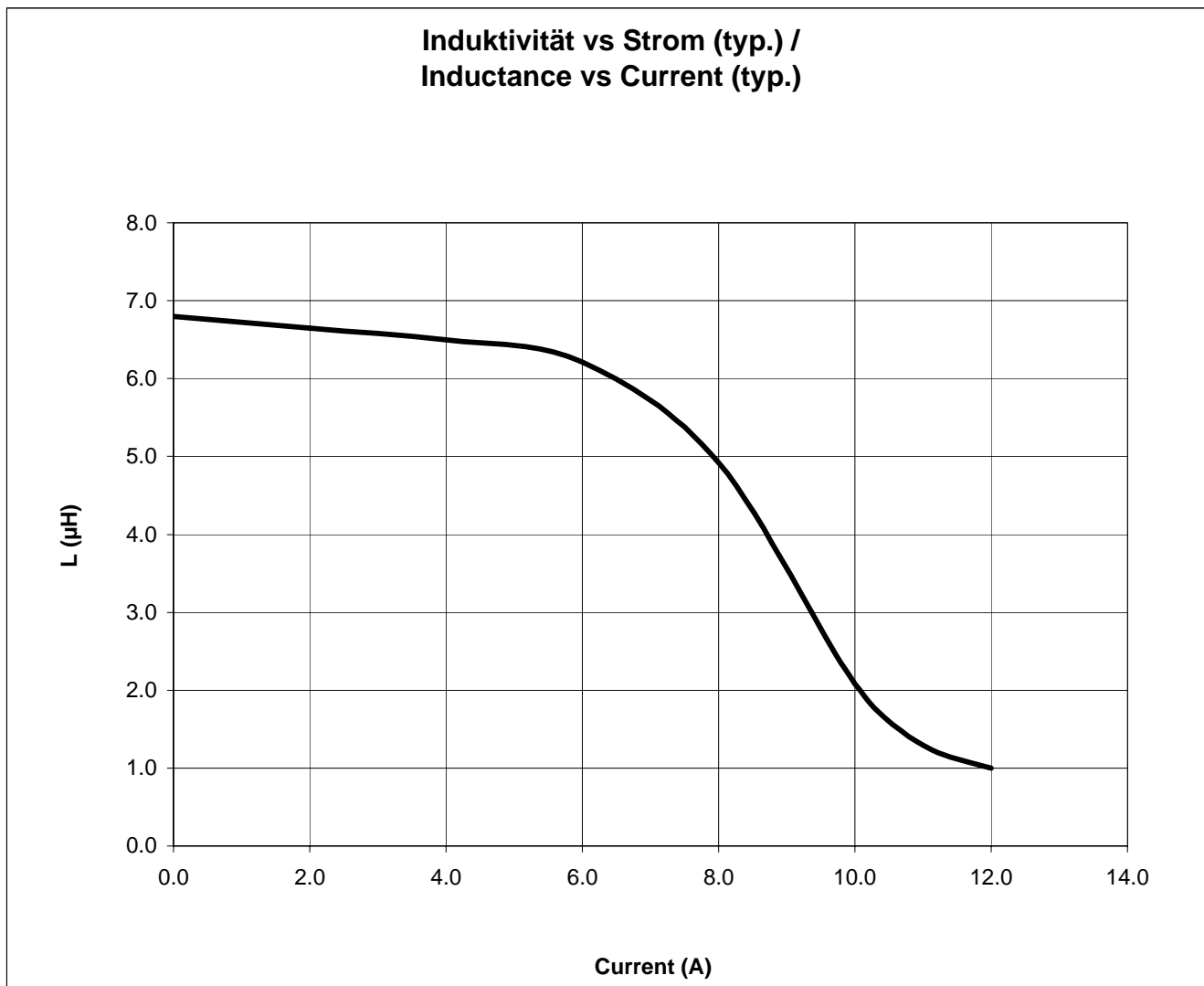
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DATUM / DATE : 2006-10-16

H Induktivitätskurve / Inductance curve:



Freigabe erteilt / general release:	Kunde / customer		
.....	SSt	Version 7
Datum / date	Unterschrift / signature	SSt	Version 6
	Würth Elektronik	SST	Version 5
		MST	Version 4
.....	SST	Version 1
Geprüft / checked	Kontrolliert / approved	Name	Änderung / modification
			Datum / date

Würth Elektronik eiSos GmbH & Co.KG

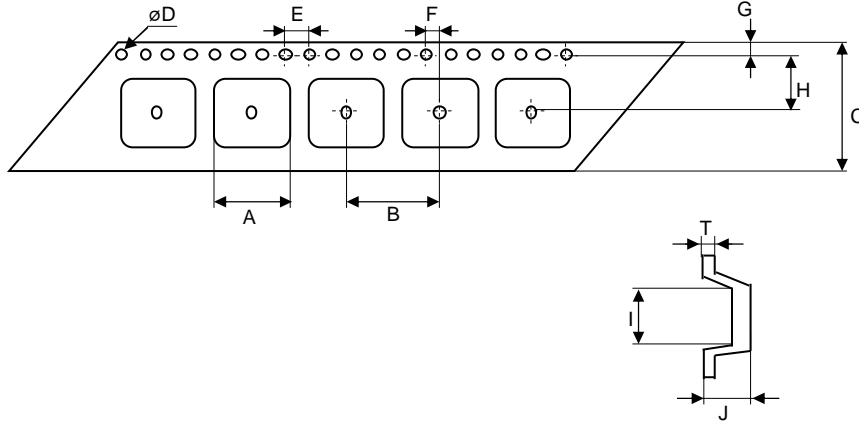
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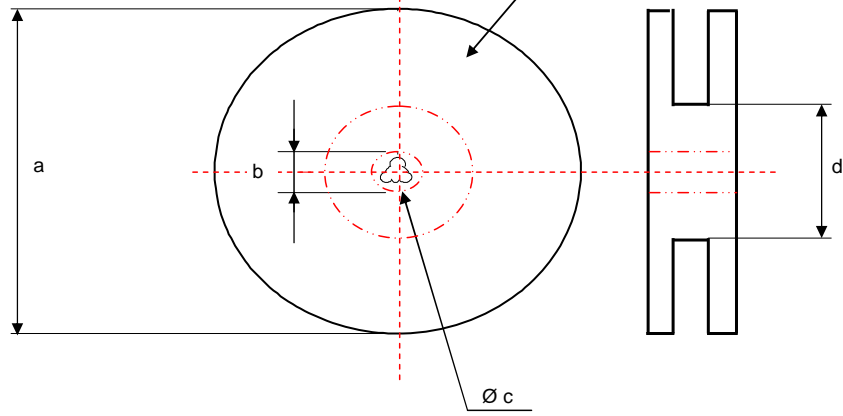


DATUM / DATE : 2006-10-16

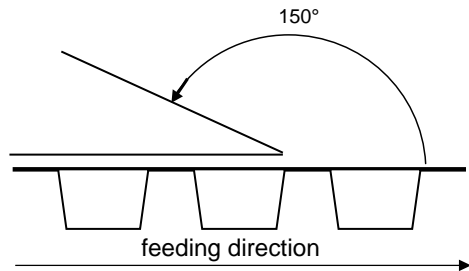
I Rollenspezifikation / tape and reel specification:



Gurtspezifikation / Tape specification:		
A	12,55 ± 0,1	mm
B	16,0 ± 0,1	mm
C	24,0 ± 0,3	mm
D	1,50 ± 0,1 / 0,0	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	12,55 ± 0,1	mm
J	6,60 ± 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

Freigabe erteilt / general release:	Kunde / customer		
Datum / date	Unterschrift / signature	SSt	Version 7 06-10-16
		SSt	Version 6 05-12-28
	Würth Elektronik	SST	Version 5 05-03-29
		MST	Version 4 04-10-11
		SST	Version 1 04-06-17
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.