Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **7447709821**

Bezeichnung : **SPEICHERDROSSEL WE-PD**

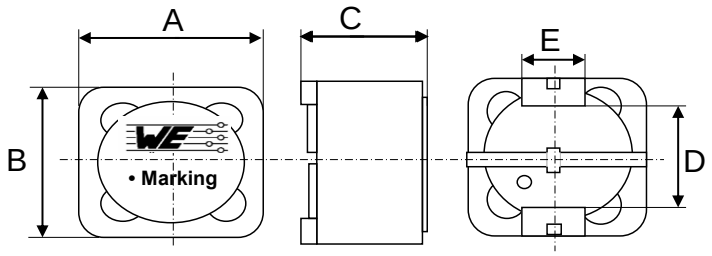
description : **POWER-CHOKE WE-PD**

compliant RoHS WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

DATUM / DATE : 2007-01-04

A Mechanische Abmessungen / dimensions:



	Typ XXL	
A	**12,0 ± 0,5**	mm
B	**12,0 ± 0,5**	mm
C	**10,0 max.**	mm
D	**7,6 ref**	mm
E	**5,0 ref**	mm

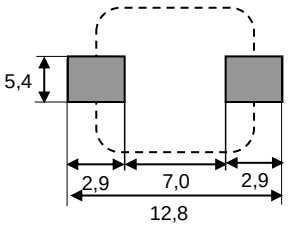
● = Start of winding Marking = Inductance code

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	**1 kHz / 0,25V**	L_N	**820,0**	µH	**±20%**
DC-Widerstand / DC-resistance	**@ 20°C**	$R_{DC\ typ}$	**815,00**	mΩ	**typ.**
DC-Widerstand / DC-resistance	**@ 20°C**	$R_{DC\ max}$	**1000,00**	mΩ	**max.**
Nennstrom / rated current	**ΔT=40 K**	I_{DC}	**0,95**	A	**max.**
Sättigungsstrom/ saturation current	**|ΔL/L|<10%**	I_{sat}	**1,10**	A	**typ.**
Eigenres.-Frequenz / self-res.-fequency		SRF	**1,20**	MHz	**typ.**

C Lötpad / soldering spec.:

[mm]



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
Endoberfläche / finishing electrode:	100% Sn
Anbindung an Elektrode / soldering wire to plating:	Sn/Cu - 99.3/0.7 %
Draht / wire:	2SFBW 155°C

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	Würth Elektronik
Datum / date	Unterschrift / signature
Geprüft / checked	Kontrolliert / approved

Name	Änderung / modification	Datum / date
ALa	Version 2	11-08-10
SSt	Version 1	07-01-04

Würth Elektronik eiSos GmbH & Co. KG

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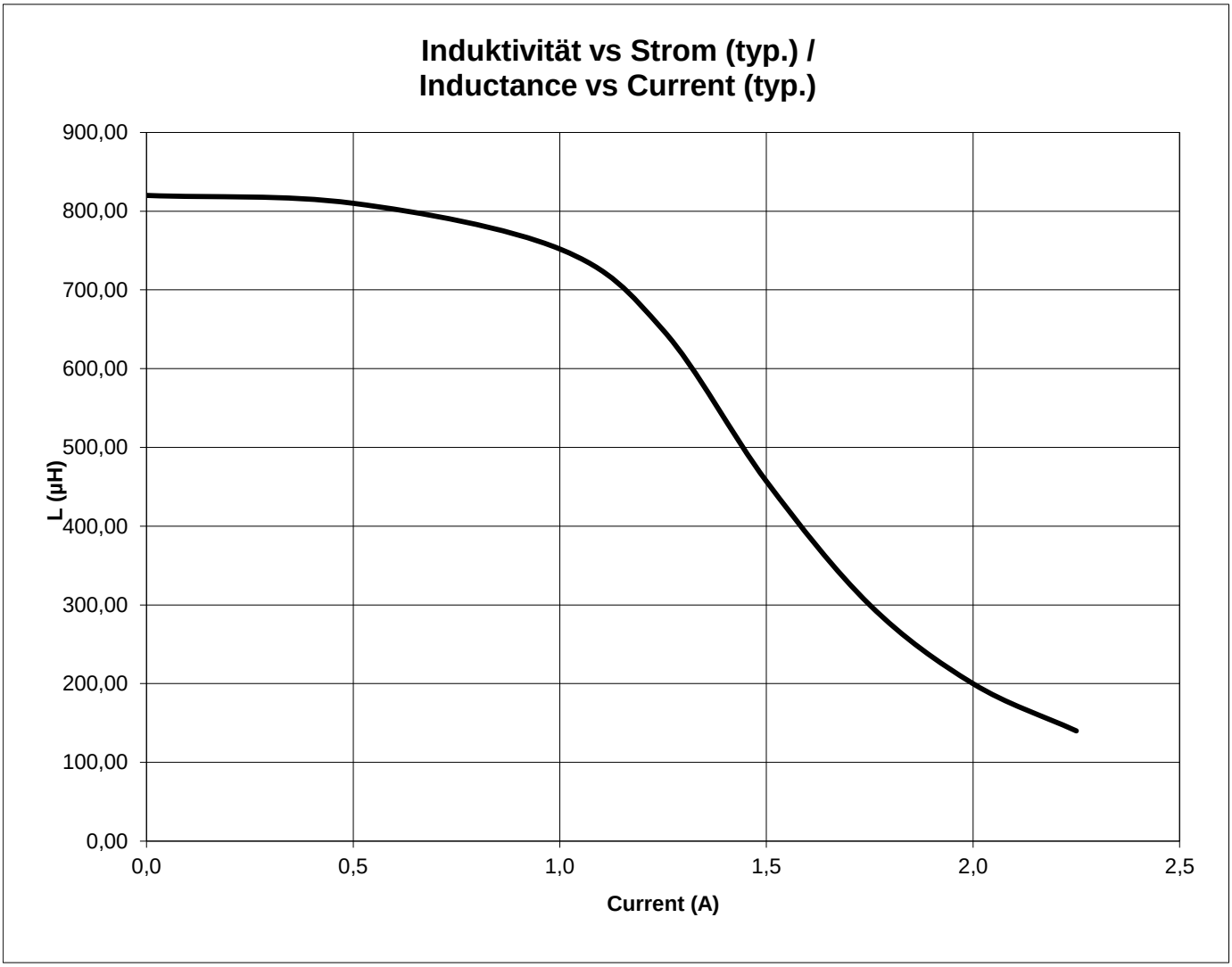
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H Induktivitätskurve / Inductance curve :



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Kunde / customer				
Datum / date	Unterschrift / signature			
Würth Elektronik				
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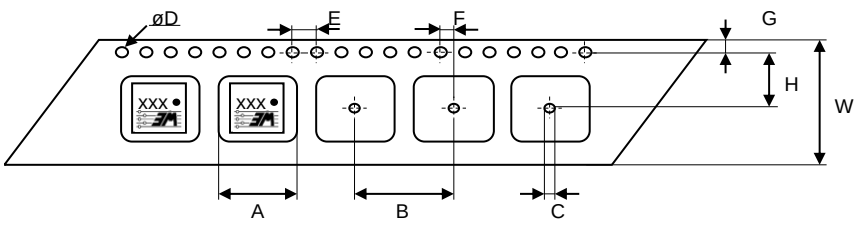
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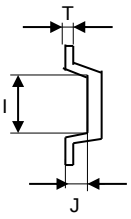
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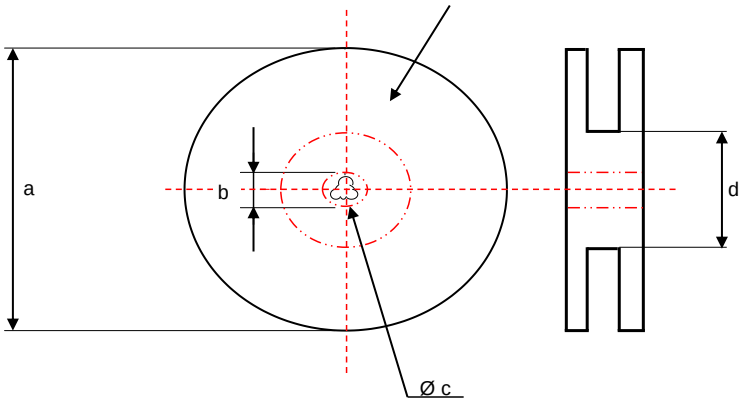
DATUM / DATE : 2007-01-04

I Rollenspezifikation / tape and reel specification:

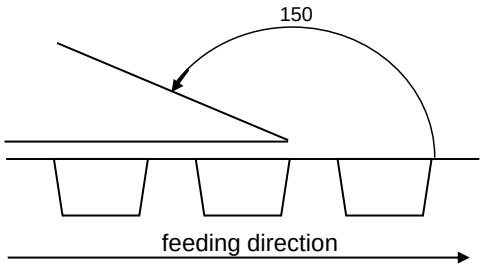




Gurtspezifikation / Tape specification:		
A	**12,85 ± 0,1**	mm
B	**20,0 ± 0,1**	mm
C	**1,50 ± 0,05**	mm
D	**1,50 $^{+0,1}_{-0,0}$**	mm
E	**4,00 ± 0,1**	mm
F	**2,00 ± 0,1**	mm
G	**1,75 ± 0,1**	mm
H	**11,5 ± 0,1**	mm
I	**12,85 ± 0,1**	mm
J	**10,60 ± 0,1**	mm
T	**0,50 ± 0,05**	mm
W	**24,0 ± 0,3**	mm



Rollenspezifikation / Reel specification:		
a	**330,0 ± 0,5**	mm
b	**20,20 ± 0,1**	mm
c	**13,00 $^{+0,5}_{-1,0}$**	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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Würth Elektronik	
Geprüft / checked	Kontrolliert / approved

ALa	Version 2	11-08-10
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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.

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