Spezifikation für Freigabe / specification for release

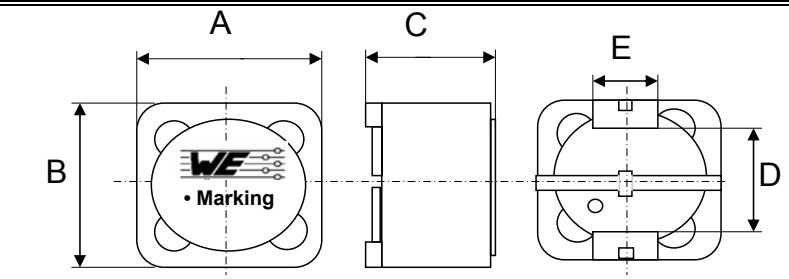
Kunde / customer :
Artikelnummer / part number : **744771122** LF

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

RoHS compliant

DATUM / DATE : 2005-06-22

A Mechanische Abmessungen / Dimensions :



● = Start of winding Marking = Inductance code

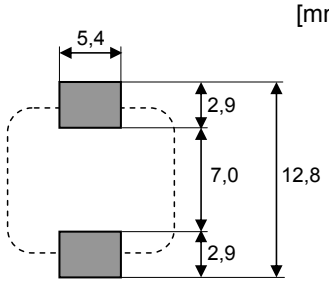
	Typ L	
A	**12,0 ± 0,3**	mm
B	**12,0 ± 0,3**	mm
C	**6,0 max.**	mm
D	**8,0 ± 0,3**	mm
E	**5,0 ± 0,2**	mm

B Elektrische Eigenschaften / Electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / Inductance	**1 kHz / 0,25V**	L	**22,00**	µH	**±20%**
DC-Widerstand / DC-resistance	**@ 20°C**	$R_{DC\ typ.}$	**0,031**	Ω	**typ.**
DC-Widerstand / DC-resistance	**@ 20°C**	$R_{DC\ max.}$	**0,036**	Ω	**max.**
Nennstrom / Rated current	**ΔT=40 K**	I_{DC}	**3,37**	A	**max.**
Sättigungsstrom / Saturation current	**|ΔL/L|<10%**	I_{sat}	**3,77**	A	**typ.**
Eigenres.-Frequenz / Self-res.-frequency		SRF	**13,00**	MHz	**min.**

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/Ag/Cu - 96.5/3.0/0.5%
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
SST	Version 6	05-06-22
MST	Version 5	04-10-11
MST	Version 4	03-12-10
RT	Version 3	03-03-03
MST	Version 2	02-03-27
JH	Version 1	00-12-06

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
http://www.we-online.com

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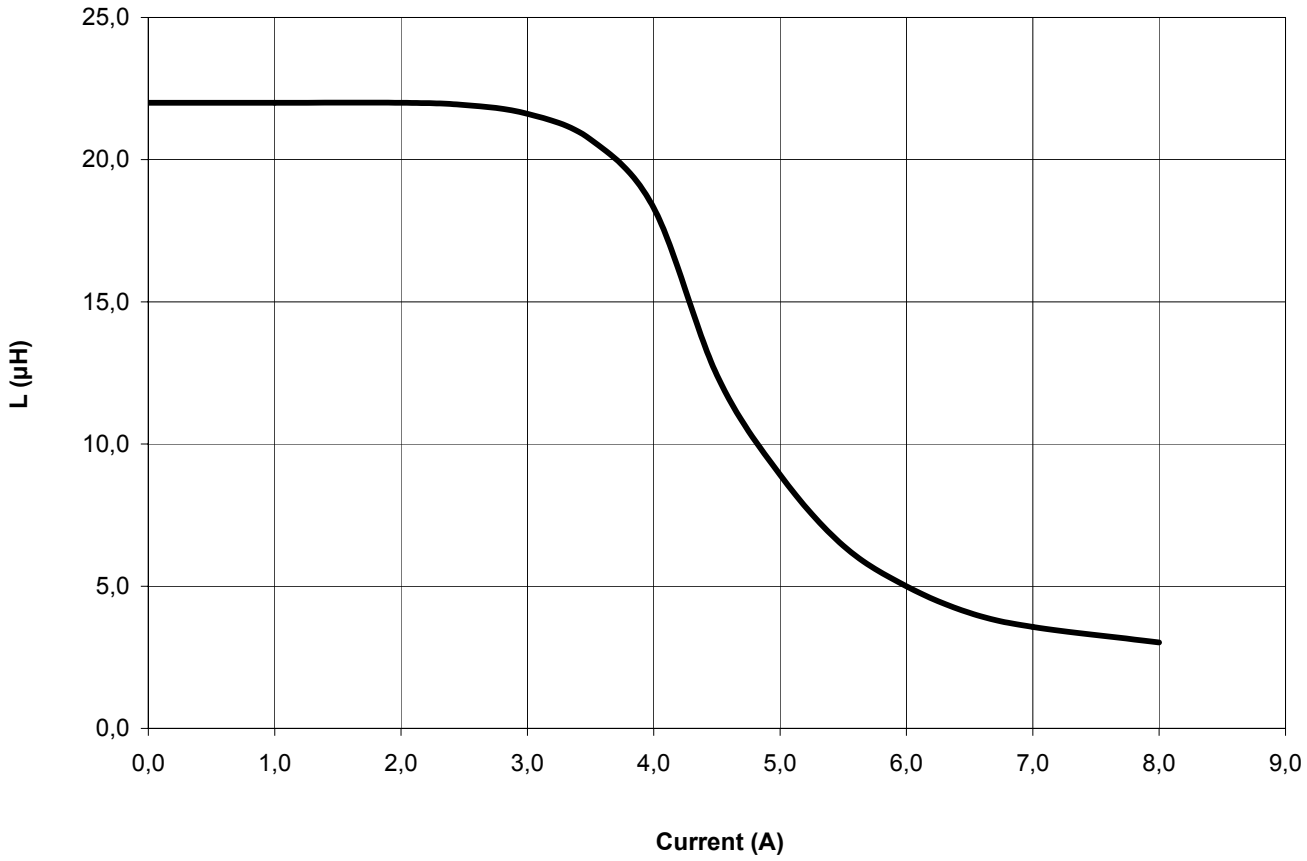
H Induktivitätskurve / Inductance curve :

Induktivität vs Strom (typ.) /
Inductance vs Current (typ.)



Freigabe erteilt / general release:	Kunde / customer			
		SST	Version 6	05-06-22
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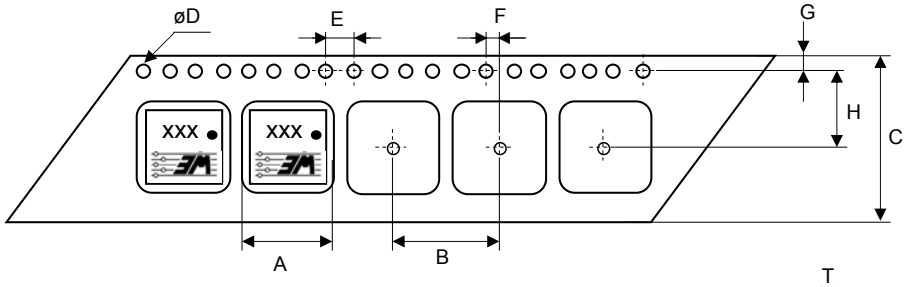
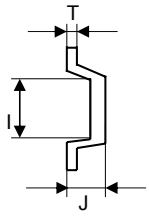
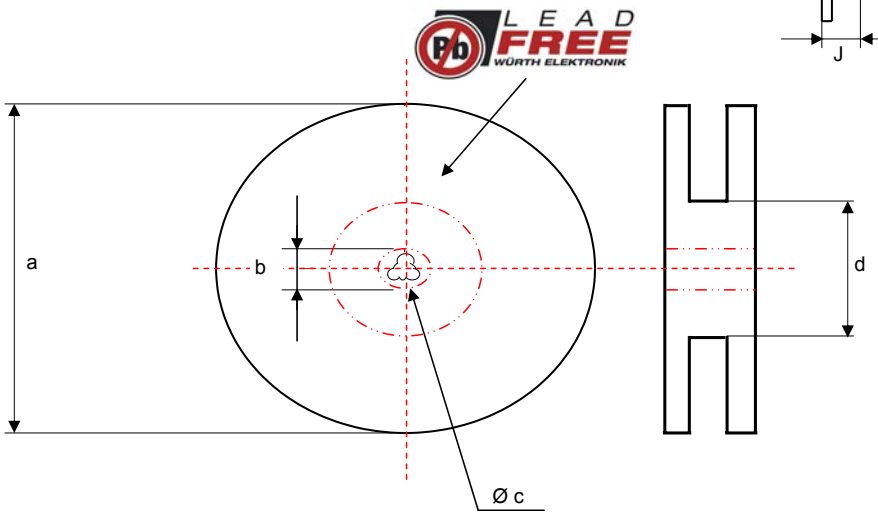
I Rollenspezifikation / tape and reel specification :

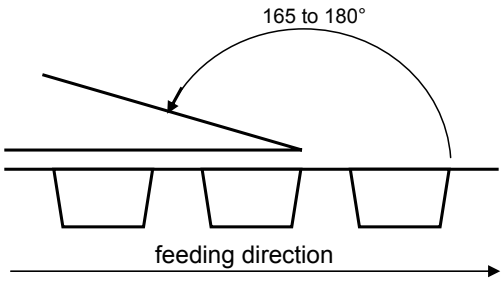




Gurtspezifikation / Tape specification:		
A	**12,7 ± 0,1**	mm
B	**16,0 ± 0,1**	mm
C	**24,0 ± 0,2**	mm
D	**1,50 $^{+0.1}_{-0.0}$**	mm
E	**4,00 ± 0,1**	mm
F	**2,00 ± 0,1**	mm
G	**1,75 ± 0,1**	mm
H	**11,5 ± 0,1**	mm
I	**12,7 ± 0,1**	mm
J	**6,20 ± 0,1**	mm
T	**0,40 ± 0,05**	mm



Rollenspezifikation / Reel specification:		
a	**330,0 ± 0,5**	mm
b	**20,20 ± 0,2**	mm
c	**13,00 $^{+0.5}_{-1.0}$**	mm
d	**100,0 ± 0,2**	mm



The force for tearing off cover tape is
10 to 130 grams in arrow direction

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Name	**Änderung / modification**	Datum / date

This electronic component is designed and developed with the intention for use in general electronics equipments. Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body. In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before use. It is essential to give consideration when to install a protective circuit at the design stage.

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