

Spezifikation für Freigabe / specification for release

Kunde / customer :

744778002

LF



Artikelnummer / part number :

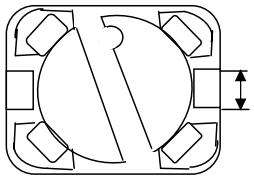
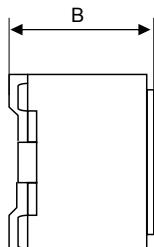
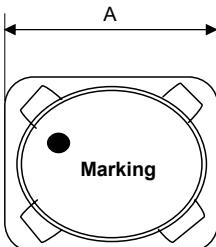
SPEICHERDROSSEL WE-PD

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

RoHS compliant

DATUM / DATE : 2004-10-11

A Mechanische Abmessungen / dimensions :



	Typ S	
A	7,3 ± 0,2	mm
B	3,2 ± 0,2	mm
C	2,0 ± 0,1	mm

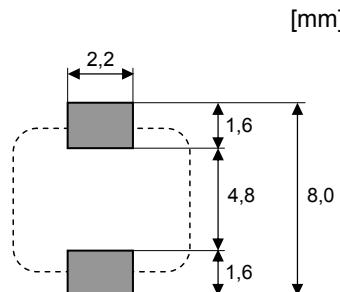
● = Start of winding

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	2,20	µH	± 20%
DC-Widerstand / DC-resistance	@ 20°C	R _{DC} typ	0,0140	Ω	typ.
DC-Widerstand / DC-resistance	@ 20°C	R _{DC} max	0,0200	Ω	max.
Nennstrom / rated current	ΔT=40 K	I _{DC}	4,02	A	max.
Sättigungsstrom / saturation current	ΔL/L <10%	I _{sat}	4,80	A	typ.
Eigenres.-Frequenz / self-res.-frequency		SRF	36,0	MHz	typ.

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 :

33%

+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

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.

G Eigenschaften / general specifications :

Freigabe erteilt / general release:

Kunde / customer

Datum / date

Unterschrift / signature

Geprüft / checked

Kontrolliert / approved

MST	Version 5	04-10-11
MST	Version 4	03-12-10
RT	Version 3	03-02-24
MST	Version 2	02-02-27
JH	Version 1	00-12-06
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
http://www.we-online.de

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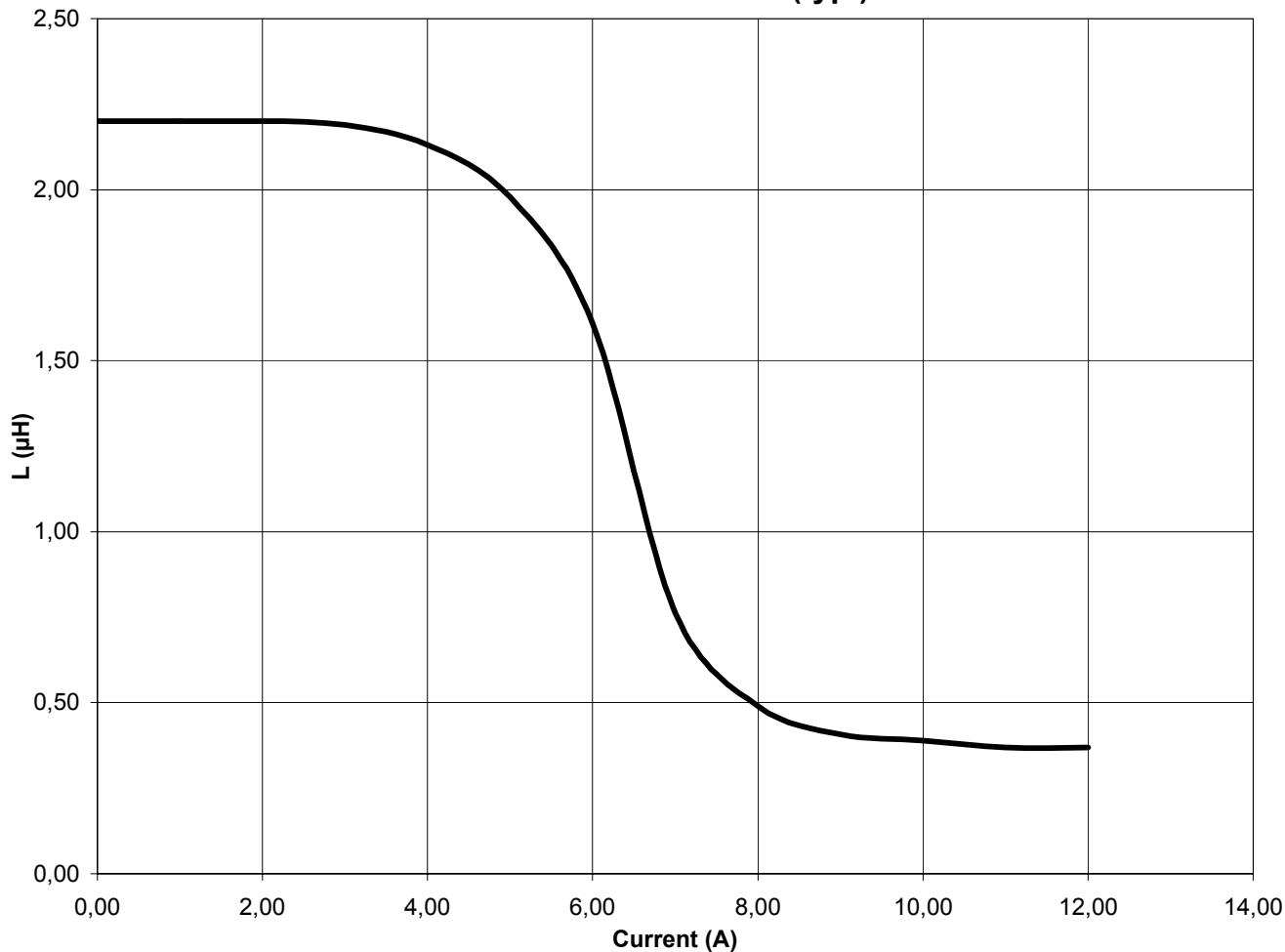
description : **POWER-CHOKE WE-PD**

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H Induktivitätskurve / Inductance curve :

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



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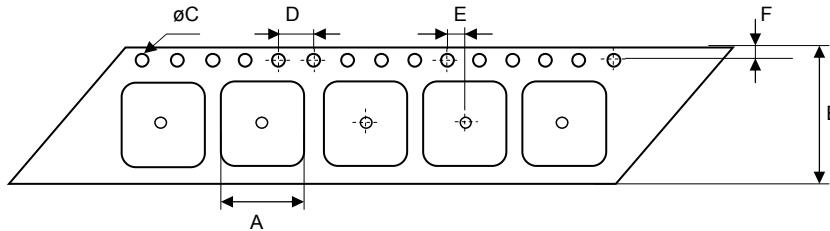
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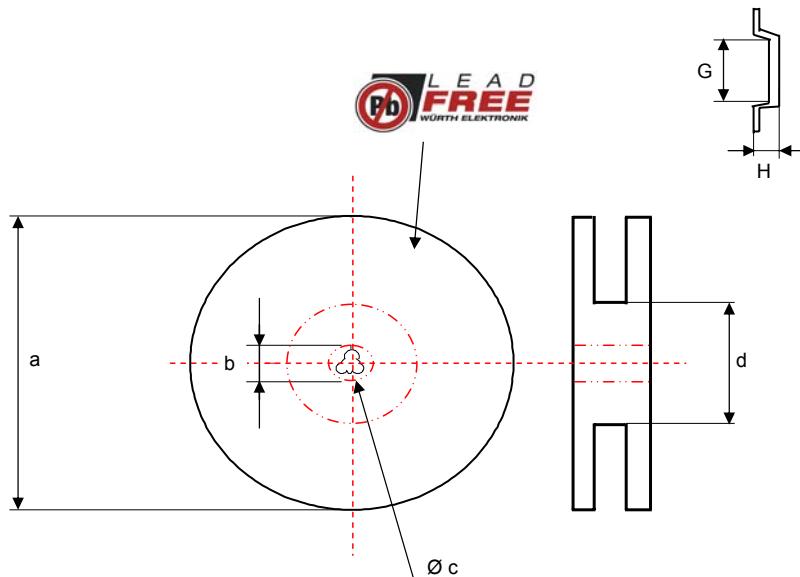
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I Rollenspezifikation / Tape and reel specification :



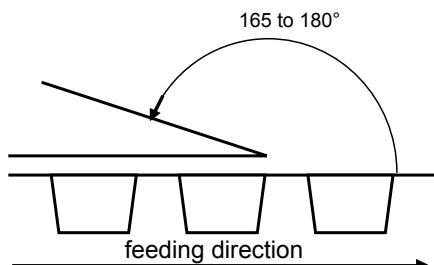
Gurtspezifikation / Tape specification:

A	9,00 ± 0,1	mm
B	16,0 ± 0,2	mm
C	1,50 ± 0,1	mm
D	4,00 ± 0,1	mm
E	2,00 ± 0,1	mm
F	1,75 ± 0,1	mm
G	9,00 ± 0,1	mm
H	3,50 ± 0,1	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 10 to 130 grams in arrow direction

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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 protecting circuit at the design stage.

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