Spezifikation für Freigabe / specification for release

Kunde / customer : _____

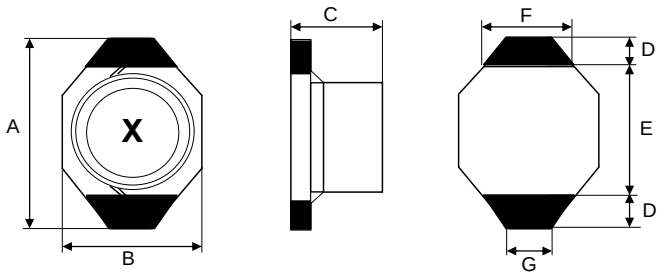
Artikelnummer / part number : **7445120**

Bezeichnung : **SPEICHERDROSSEL WE-PD 3**

description : **POWER-CHOKE WE-PD 3**

DATUM / DATE : 2009-02-09

A Mechanische Abmessungen / dimensions:



Marking = Letter code

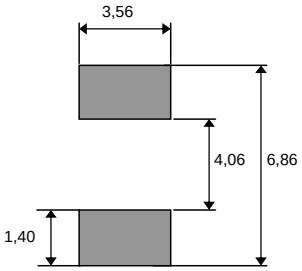
	Typ S	
A	**6,60 max.**	mm
B	**4,45 max.**	mm
C	**2,92 max.**	mm
D	**1,0 ref.**	mm
E	**4,32 ref.**	mm
F	**3,05 ref.**	mm
G	**1,27 ref.**	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	**100 kHz / 0,1V**	L	**100,00**	µH	**± 20%**
DC-Widerstand / DC-resistance	**@ 20°C**	$R_{DC\ typ}$	**0,393**	Ω	**typ.**
DC-Widerstand / DC-resistance	**@ 20°C**	$R_{DC\ max}$	**0,480**	Ω	**max.**
Nennstrom / rated current	**ΔT= 40 K**	I_{DC}	**0,300**	A	**max.**
Sättigungsstrom / saturation current	**|ΔL/L|<10%**	I_{sat}	**0,090**	A	**typ.**
Eigenres.-Frequenz / self-res.-fequency		SRF	**10,00**	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
Draht / wire:	2SFBW 155° C
Sockel / Base	Keramik/ ceramic
Endoberfläche / finishing electrode	100% Au

G Eigenschaften / granted properties:

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

MST	Version 7	2009-02-09
SST	Version 5	2005-06-21
MST	Version 4	2004-10-11
MST	Version 1	2004-06-03
Name	**Änderung / modification**	Datum / date

Würth Elektronik eiSos GmbH & Co. KG

D-74638 Waldenbug · Max-Eyth-Strasse 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400

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Spezifikation für Freigabe / specification for release

Kunde / customer :

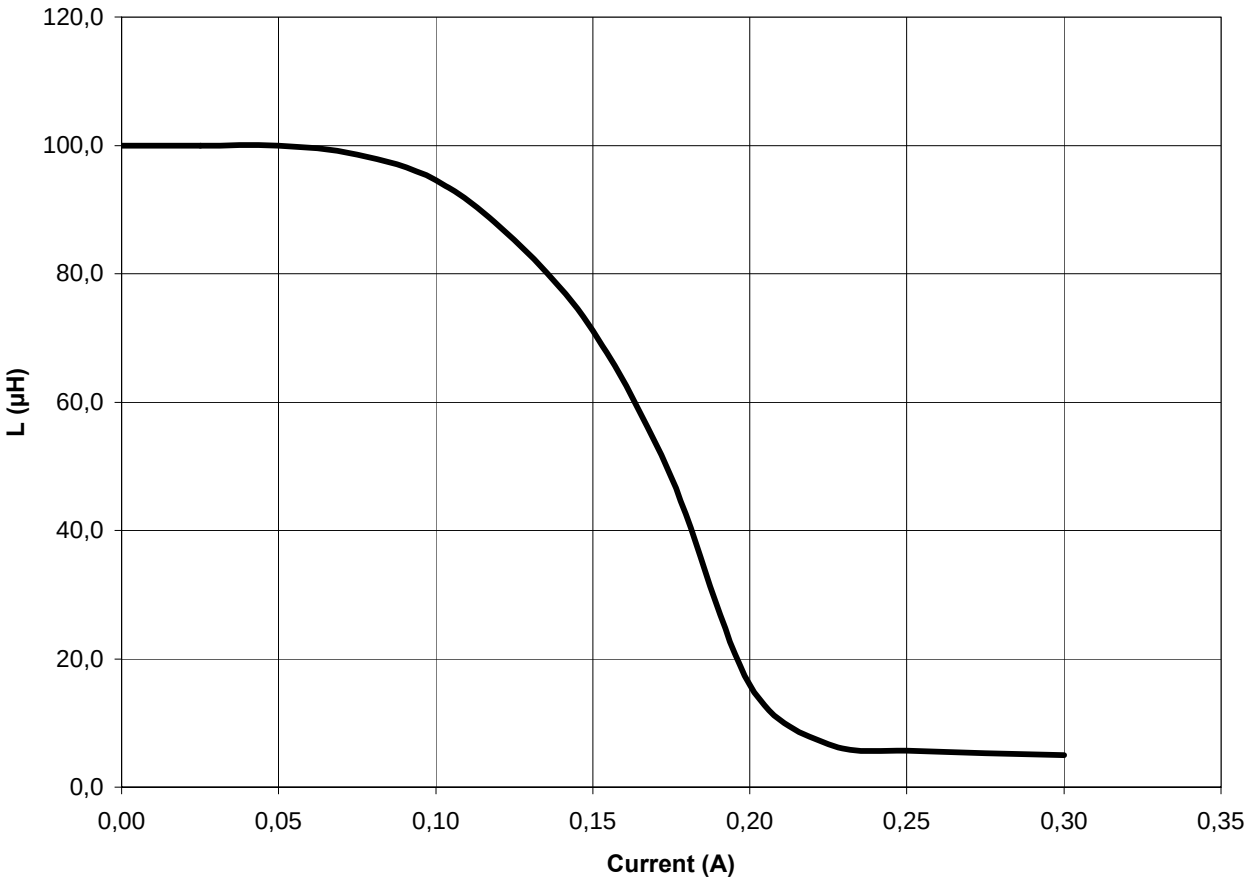
Artikelnummer / part number : **7445120**

Bezeichnung : **SPEICHERDROSSEL WE-PD 3**

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DATUM / DATE : 2009-02-09

H Induktivitätskurve / Inductance curve:



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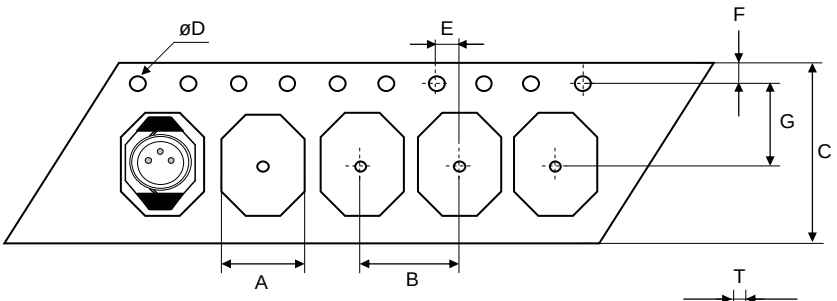
Artikelnummer / part number : **7445120**

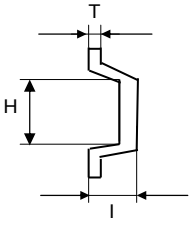
Bezeichnung : **SPEICHERDROSSEL WE-PD 3**

description : **POWER-CHOKE WE-PD 3**

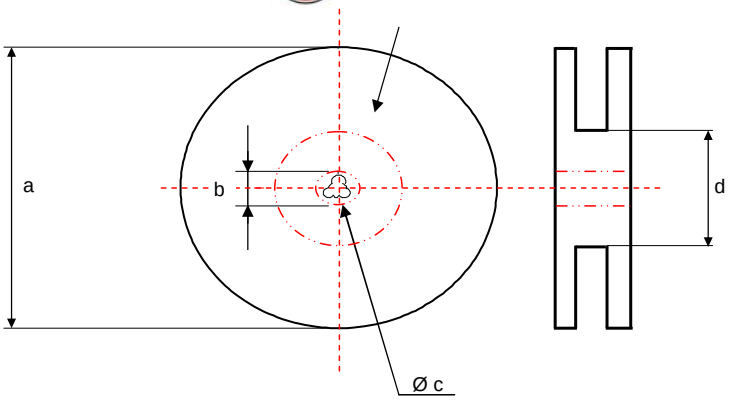
DATUM / DATE : 2009-02-09

I Rollenspezifikation / Tape and reel specification:

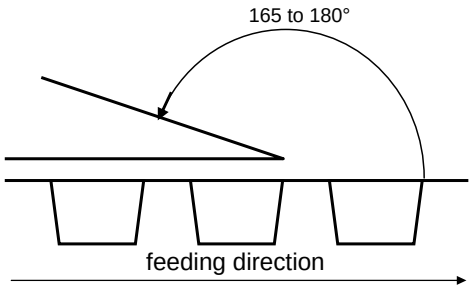




Gurtspezifikation / Tape specification:		
A	**4,40 ± 0,1**	mm
B	**8,00 ± 0,1**	mm
C	**16,0 ± 0,3**	mm
D	**1,50 ± 0,1**	mm
E	**2,00 ± 0,1**	mm
F	**1,75 ± 0,1**	mm
G	**7,50 ± 0,1**	mm
H	**6,75 ± 0,1**	mm
I	**3,20 ± 0,1**	mm
T	**0,30 ± 0,05**	mm



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

Freigabe erteilt / general release:

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

Name	Änderung / modification	Datum / date
MST	Version 7	2009-02-09
SST	Version 5	2005-06-21
MST	Version 4	2004-10-11
MST	Version 1	2004-06-03

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.

Würth Elektronik eiSos GmbH & Co. KG

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