Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **744301025**

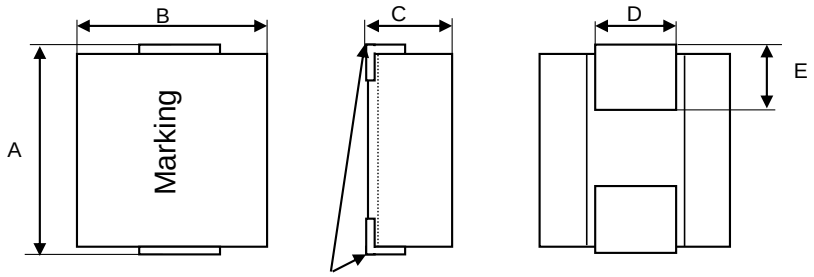
Bezeichnung : **SPEICHERDROSSEL WE-HCM 1190**

description : **POWER-CHOKE WE-HCM 1190**

RoHS compliant

DATUM / DATE : 2010-07-16

A Mechanische Abmessungen / dimensions :



RDC is measured at these points

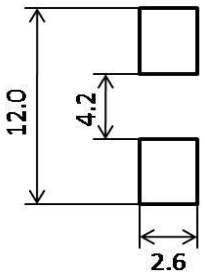
A	**11,3 ±0.5**	mm
B	**11,0 ±0.5**	mm
C	**8,9 ±0,5**	mm
D	**2,2 ±0,2**	mm
E	**3,2 ±0,5**	mm

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Lerrlaufinduktivität/ initial inductance	**100 kHz / 10mA**	L_0	**250**	nH	**± 20%**
DC-Widerstand / DC-resistance	**@ 20° C**	R_{DC}	**0,320**	mΩ	**+/-7%**
Nennstrom / rated current	**ΔT= 50 K**	I_N	**40,0**	A	**typ.**
Sättigungsstrom/ saturation current	**$\Delta L/L_0$= 20 %**	I_{sat}	**65,0**	A	**typ.**
Eigenres.-Frequenz self-res.-frequency		SRF	**250**	MHz	**typ.**

C Lötpad / soldering spec.:

[mm]



D Prüfgeräte / test equipment :

WAYNE KERR 3260B für/for L_0; I_{SAT}

Agilent N5776A für/for $I_{DC;}$

Metra Hit 27I für/for $R_{DC;}$

E Testbedingungen / test conditions :

Luftfeuchtigkeit / humidity:	33%
Umgebungstemperatur / temperature:	+20°C

F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material:	Ferrit/ferrite
Endoberfläche / finishing electrode:	Sn/Cu - 99.3/0.7 %
Draht / wire:	Flatwire

G Eigenschaften / general specifications :

Arbeitstemperatur / 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

BD	Version 1	10-07-16
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

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Spezifikation für Freigabe / specification for release

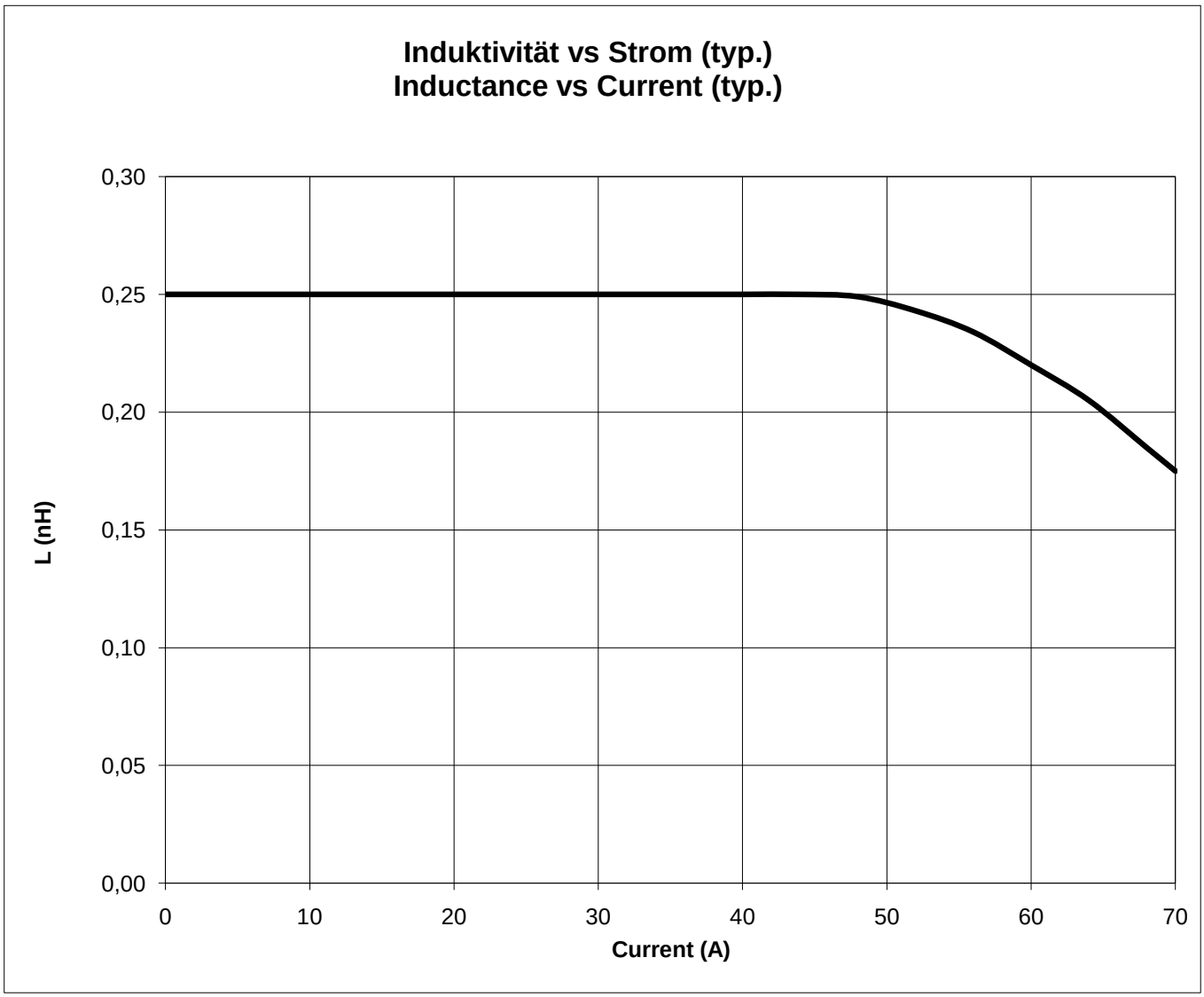
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H Induktivitätskurve / Inductance curve :



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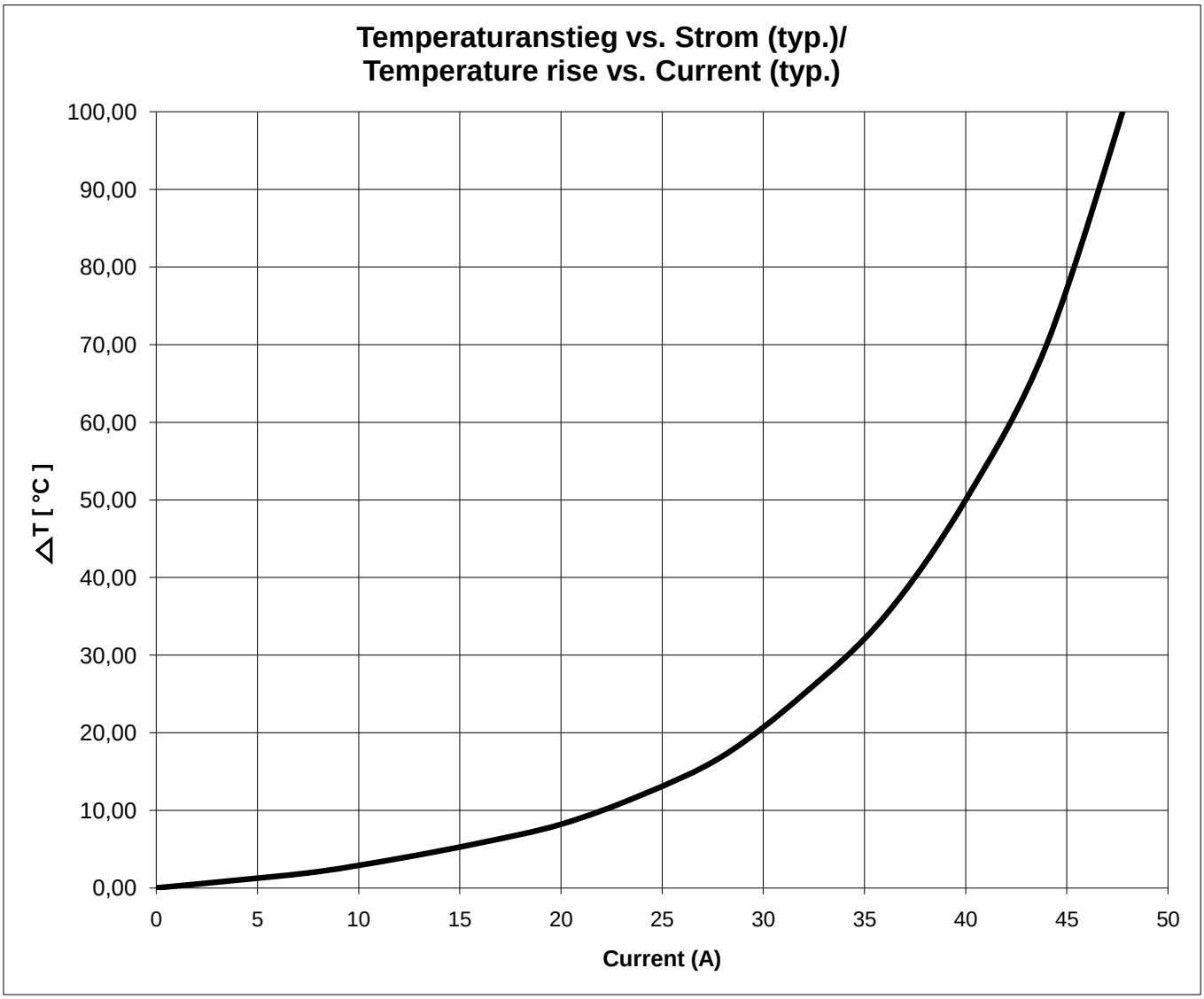
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Bezeichnung :
description :

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I Temperaturanstieg / Temperature rise curve :



Freigabe erteilt / general release:	Kunde / customer			
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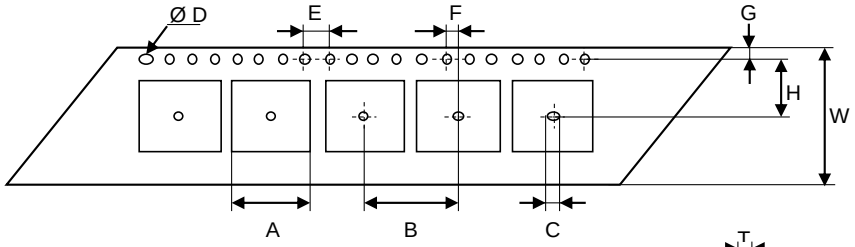
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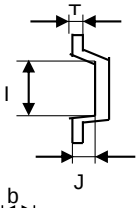
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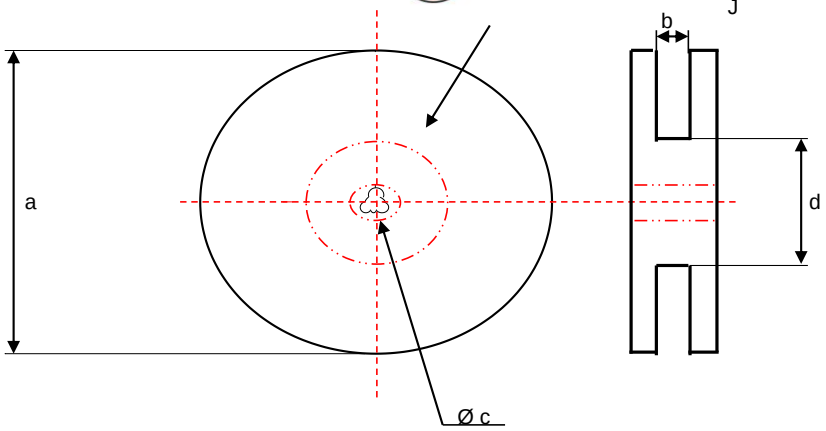
Bezeichnung : **SPEICHERDROSSEL WE-HCM 1190**
description : **POWER-CHOKE WE-HCM 1190**

DATUM / DATE : 2010-07-16

I Rollenspezifikation / tape and reel specification :

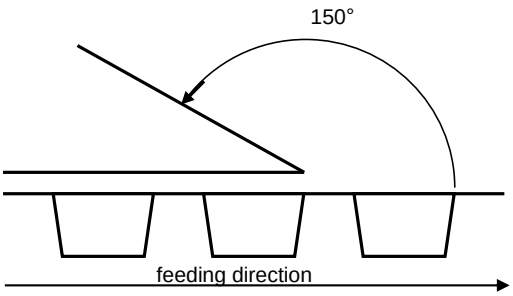






Gurtspezifikation / Tape specification:		
A	**11,6 ± 0,1**	mm
B	**20,0 ± 0,1**	mm
C	**1,05 typ.**	mm
D	**1,05 typ.**	mm
E	**4,00 ± 0,1**	mm
F	**2,00 ± 0,1**	mm
G	**1,75 ± 0,1**	mm
H	**11,5 ± 0,1**	mm
I	**11,8 ± 0,1**	mm
J	**9,20 ± 0,1**	mm
T	**0,40 ± 0,05**	mm
W	**24,0 ± 0,3**	mm

Rollenspezifikation / Reel specification:		
a	**330,0 ref**	mm
b	**24,0 ± 0,5**	mm
c	**13,5 ± 0,5**	mm
d	**100,0 ± 1,5**	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			
Würth Elektronik				
Geprüft / checked	Kontrolliert / approved	BD	Version 1	10-07-16
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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 protective circuit at the design stage.