

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

744312100

LF

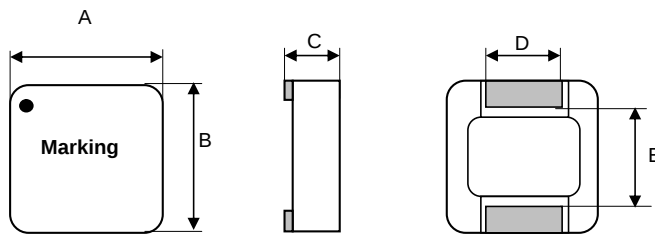


Bezeichnung : SMD HOCHSTROMINDUKTIVITÄT WE-HC

description : SMD POWER CHOKES WE-HC

DATUM / DATE : 2005-04-18

A Mechanische Abmessungen / dimensions :



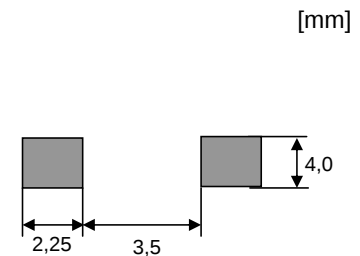
● = Indication start of winding

A	6,6 ± 0,4	mm
B	7,3 ± 0,4	mm
C	3,4 ± 0,4	mm
D	2,5 ± 0,4	mm
E	4,3 ± 0,4	mm
F		mm
G		mm
H		mm

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Lerlaufinduktivität / initial inductance	100 kHz / 0,1V	L ₀	1,00	μH	± 20%
Nenn-Induktivität / rated inductance	100 kHz / 0,1V / 11A	L _N	0,750	μH	typ.
DC-Widerstand / DC-resistance	@ 20° C	R _{DC typ}	8,11	mΩ	typ.
DC-Widerstand / DC-resistance	@ 20° C	R _{DC max}	9,50	mΩ	max.
Nennstrom / rated current	ΔT = 50 K	I _{DC}	11,0	A	typ.
Sättigungsstrom / saturation current	ΔL/L ₀ = -30%	I _{sat}	12,5	A	typ.
Eigenres.-Frequenz / self.res.-frequency		SRF	110,0	MHz	ref.

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 :

Luftfeuchtigkeit / humidity: 33%
Umgebungstemperatur / temperature: + 25°C

F Werkstoffe & Zulassungen / material & approvals :

Kernmaterial / core material: WE-Superflux 200

Draht / wire: Flatwire/ Flachdraht UL94-V0; 2UEWF 155°C

G Eigenschaften / granted properties :

Arbeitstemperatur / operating temperature: -40°C - +150°C

Umgebungstemp. / ambient temperature: -40°C - +100°C

It is recommended that the temperature of the part does not exceed 150°C under worst case operating conditions.

Freigabe erteilt / general release:	Kunde / customer			
		ME	Version 6	2005-04-18
		MST	Version 5	2004-11-09
		MST	Version 4	2004-10-11
		SST	Version 3	2004-01-27
		AG	Version 2	2003-06-11
		JH	Neugestaltung	2000-12-06
		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

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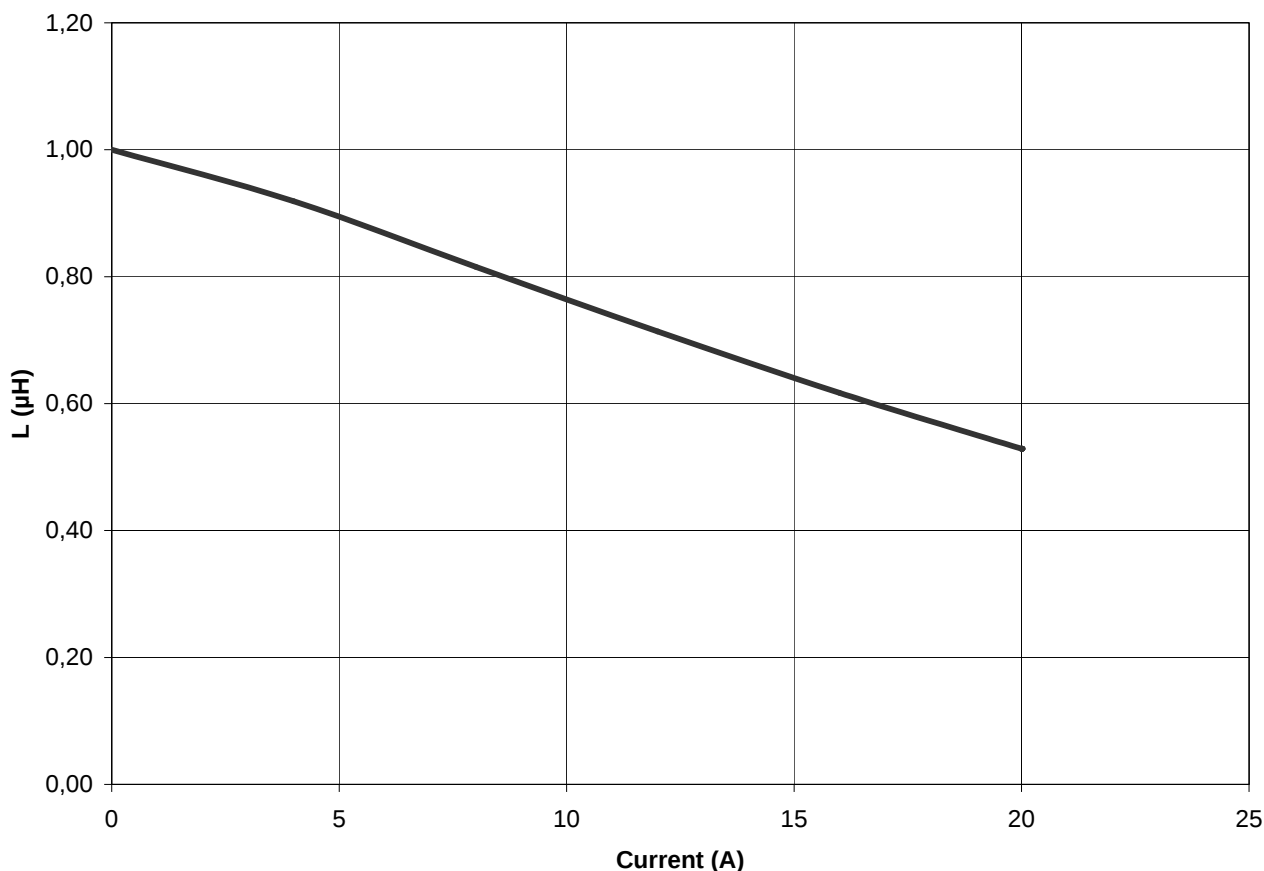
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H Induktivitätskurve / Inductance curve :

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



Freigabe erteilt / general release:	Kunde / customer		
Datum / date	Unterschrift / signature	ME	Version 6
		MST	Version 5
	Würth Elektronik	MST	Version 4
		SST	Version 3
		AG	Version 2
		JH	Neugestaltung
Geprüft / checked	Kontrolliert / approved	Name	Änderung / modification
			Datum / date

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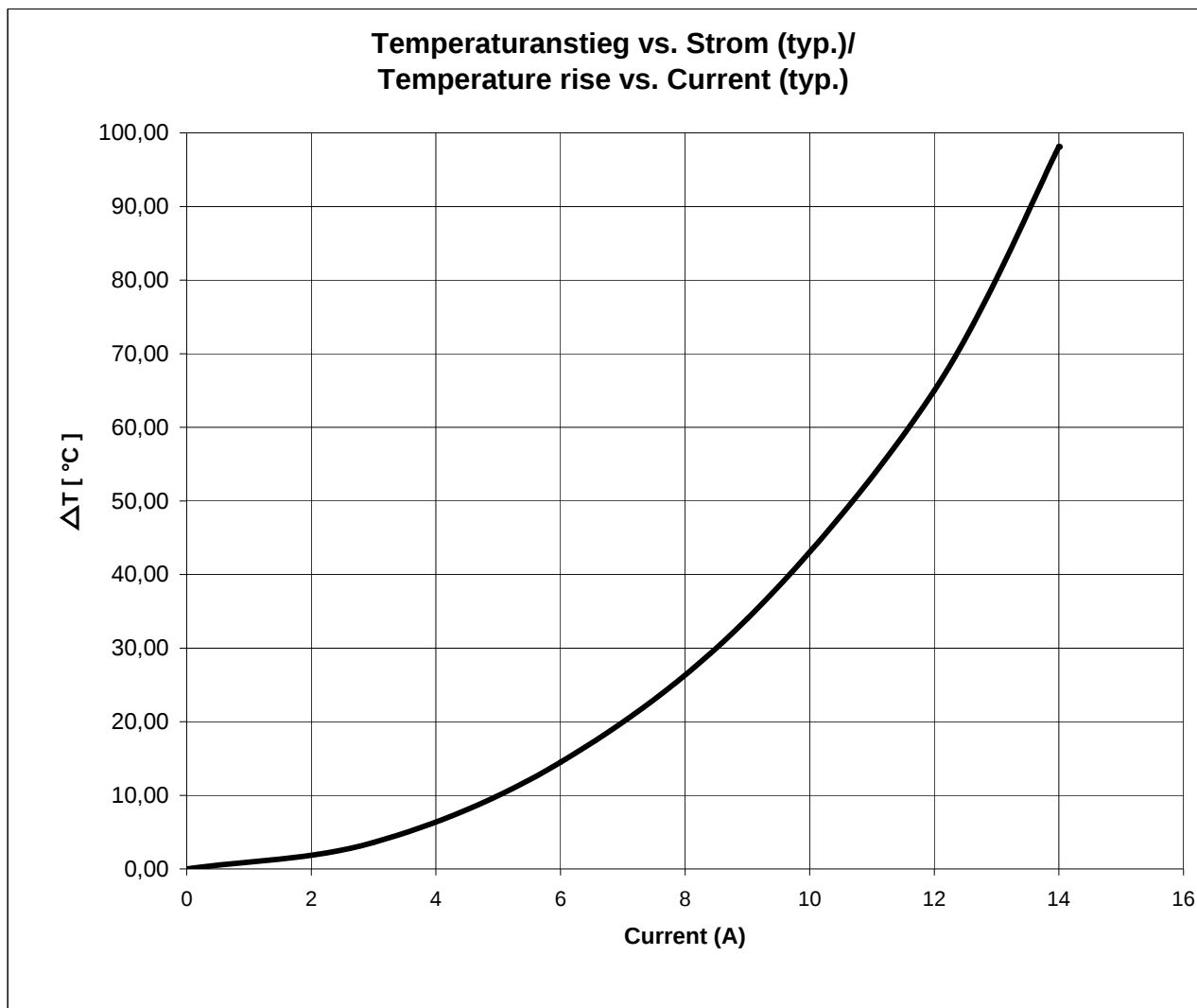
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Bezeichnung :

description :

I Temperaturanstieg / Temperature rise curve :



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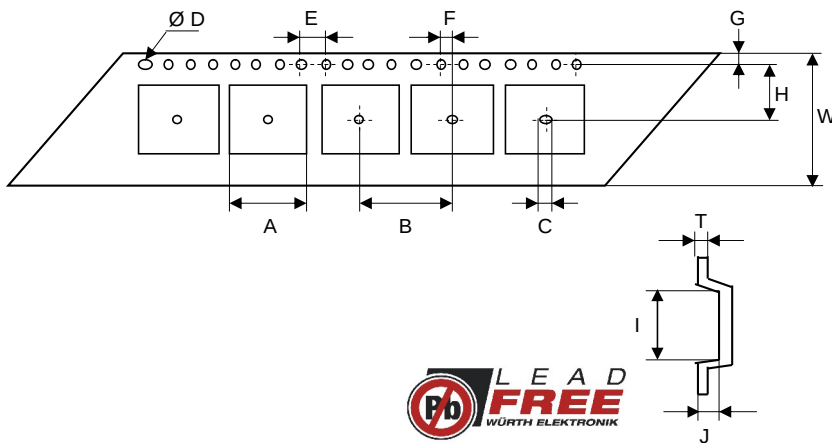
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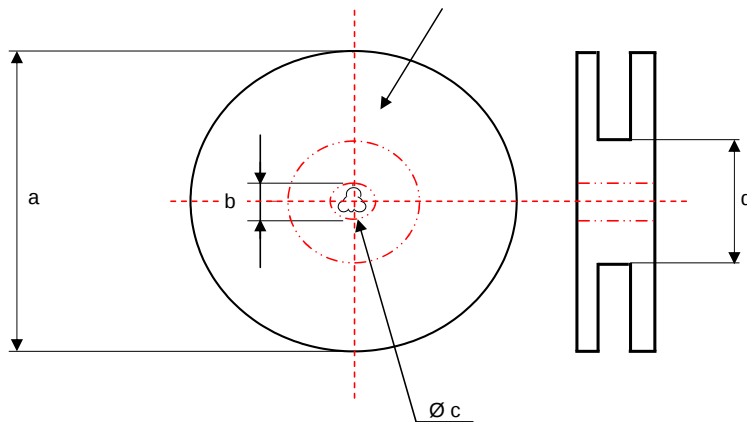
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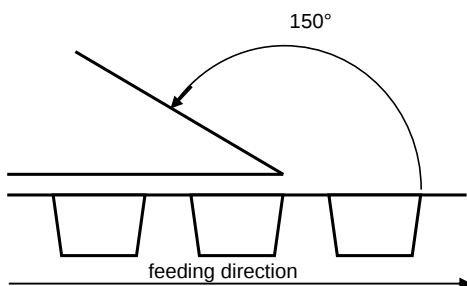
J Rollenspezifikation / tape and reel specification :



Gurtspezifikation / Tape specification:		
A	7,20 ± 0,1	mm
B	12,0 ± 0,1	mm
C	1,50 ^{+0,1} _{-0,0}	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	7,50 ± 0,1	mm
I	7,80 ± 0,1	mm
J	3,70 ± 0,1	mm
T	0,30 ± 0,1	mm
W	16,0 ± 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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Kunde / customer

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

ME	Version 6	05-04-18
MST	Version 5	04-11-09
MST	Version 4	04-10-11
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AG	Version 2	03-06-11
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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.

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