

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

744032002

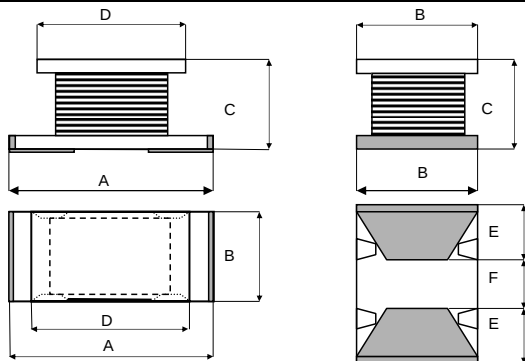
Bezeichnung : SMD HF-Drossel WE-LQ

description : SMD HF-CHOKE WE-LQ



DATUM / DATE : 2006-07-14

A Mechanische Abmessungen / dimensions:



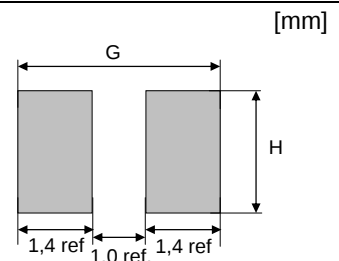
Marking = Inductance code

	Typ M	
A	3,2 ± 0,3	mm
B	2,5 ± 0,3	mm
C	2,0 ± 0,3	mm
D	2,4 ± 0,3	mm
E	1,0 ref	mm
F	1,3 typ	mm
G	3,8 ref	mm
H	2,8 ref	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	1 MHz / 0,1V	L	2,20	μH	± 20%
Güte Q / Q factor	1 MHz / 0,1V	Q	20		ref.
DC-Widerstand / DC-resistance	@ 20°C	R _{DC}	0,150	Ω	max.
Nennstrom / rated current	ΔT= 40 K	I _{DC}	0,620	A	max.
Sättigungsstrom / saturation current	ΔL/L <10%	I _{sat}	1,800	A	typ.
Eigenres.-Frequenz / self-res.-frequency		SRF	50,0	MHz	typ.

C Lötpad / soldering spec.:



D Prüfgeräte / test equipment:

HP 4274 A für/for L und/and Q

HP 34401 A für/for R_{DC} und I_{DC}

E Testbedingungen / test conditions:

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

F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: Ferrit
Draht / wire: Class F
Pin / Terminal: Sn/Cu - 99,3/0,7%

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

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

UB	Version 3	06-07-14
MST	Version 1	04-10-11
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.com

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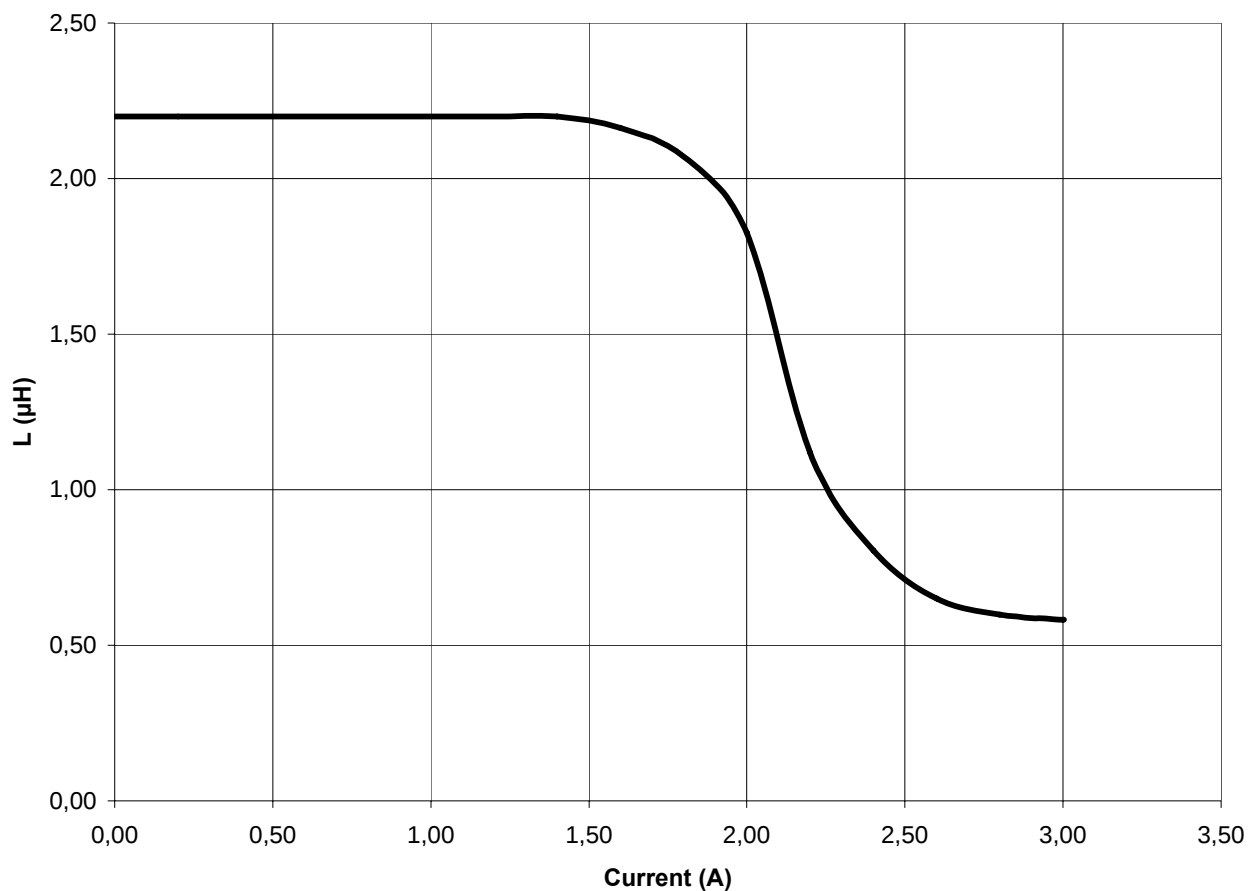
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H Induktivitätskurve / Inductance curve :

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



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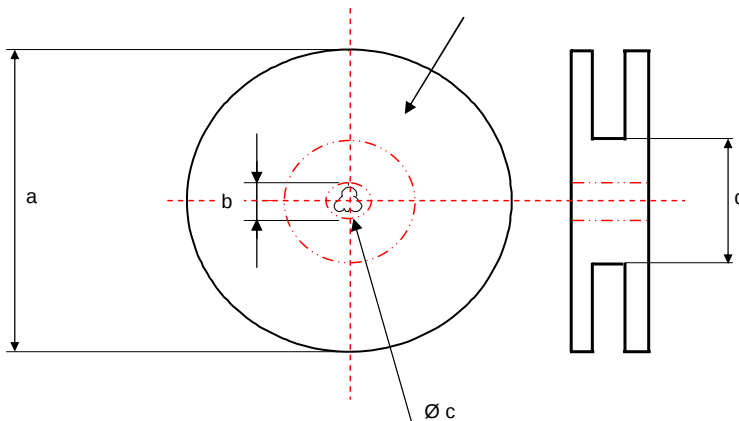
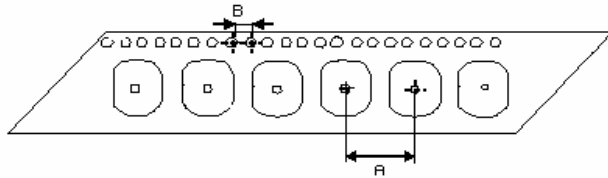


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I Rollenspezifikation / tape and reel specification:

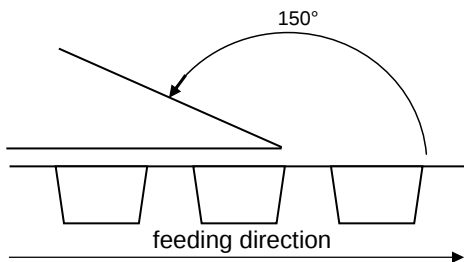
Gurtspezifikation / Tape specification:

A	$4,00 \pm 0,1$	mm
B	$4,00 \pm 0,1$	mm



Rollenspezifikation / Reel specification:

a	$178 \pm 0,5$	mm
b	$20,20 \pm 0,1$	mm
c	$13,00^{+0,5}_{-1,0}$	mm
d	$50,0 \pm 1,0$	mm



The force for tearing off cover tape is
20 to 70 grams in arrow direction

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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

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