

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : 744066151

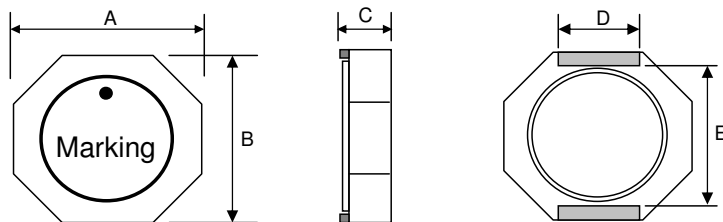
Bezeichnung : SPEICHERDROSSEL WE-TPC

description : POWER-CHOKE WE-TPC



DATUM / DATE : 2008-11-24

A Mechanische Abmessungen / dimensions :



● = Start of winding

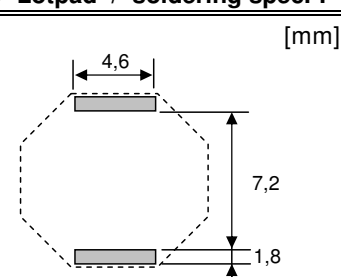
Marking = Inductance code

	Typ XLH	
A	10 ± 0,3	mm
B	10 ± 0,3	mm
C	3,8 ± 0,3	mm
D	4,2 ref.	mm
E	7,4 ref.	mm

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	100 kHz / 1,0V	L	150,00	μH	± 30%
DC-Widerstand / DC-resistance	@ 20°C	R _{DC typ}	395,00	mΩ	typ.
DC-Widerstand / DC-resistance	@ 20°C	R _{DC max}	470,00	mΩ	max.
Nennstrom / rated current	ΔT=30 K	I _{DC}	1,00	A	max.
Sättigungsstrom / saturation current	ΔL/L <35%	I _{sat}	1,10	A	typ.
Eigenres.-Frequenz / self-res.-frequency		SRF	6,0	MHz	typ.

C Lötpad / soldering spec. :



D Prüfgeräte / test equipment :

HP 4274 A für/for L und/and SRF

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: Class H

Endoberfläche / finishing electrode: Sn/Ag/Cu - 96.5/3.0/0.5%

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

ME	Version 4	08-11-24
MST	Version 3	08-04-11
ME	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.de

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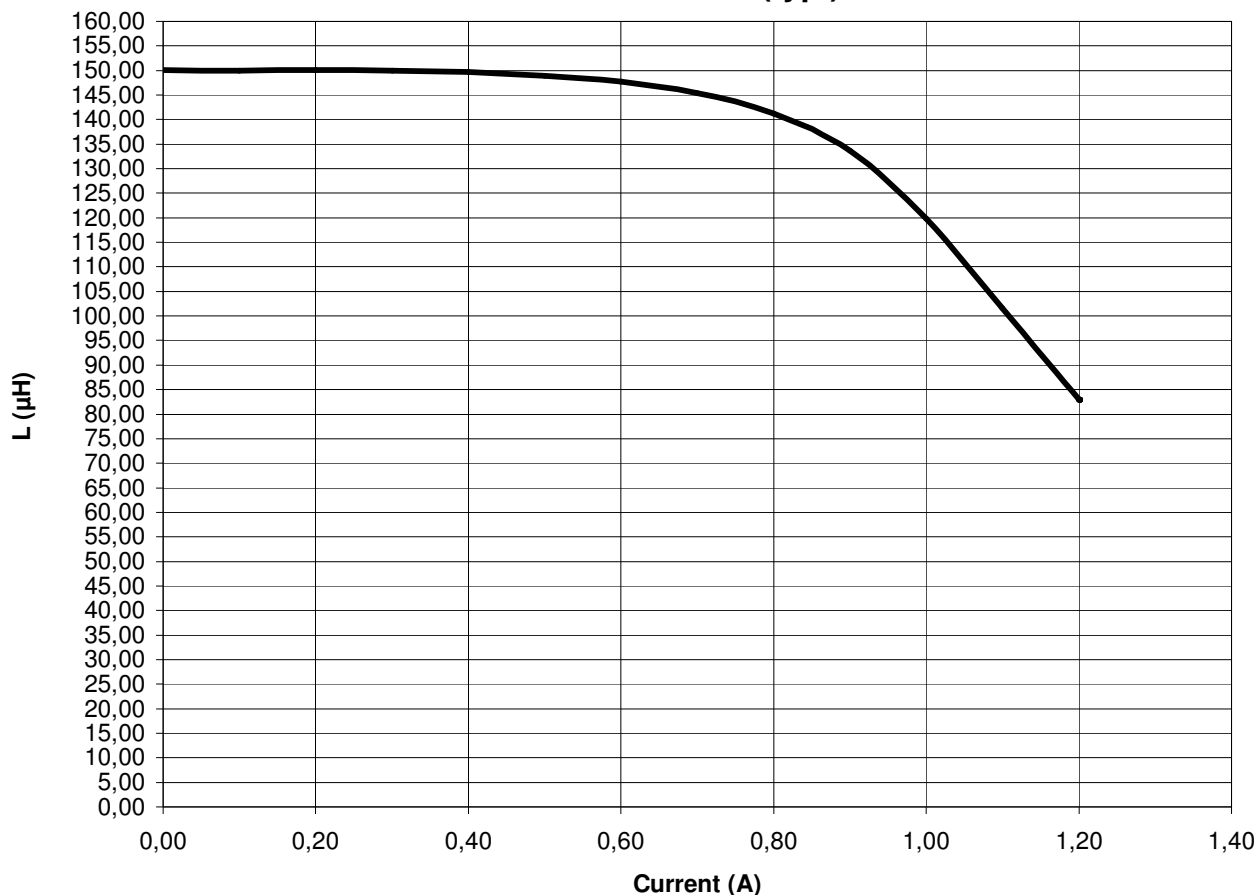
LF



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H Induktivitätskurve / Inductance curve :

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



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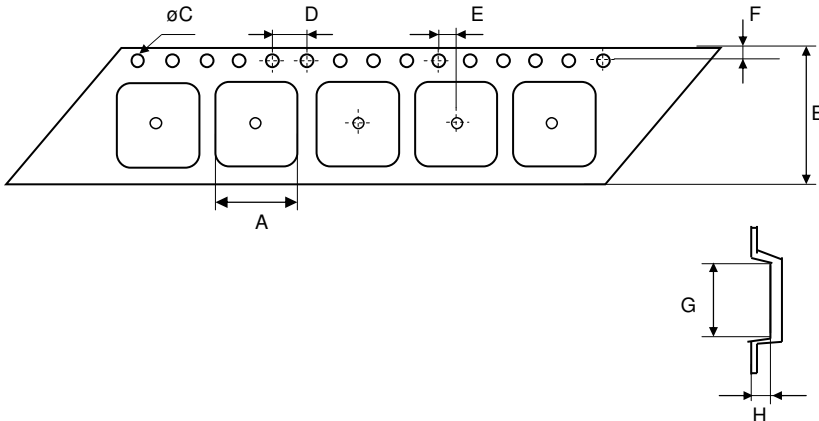
POWER-CHOKE WE-TPC

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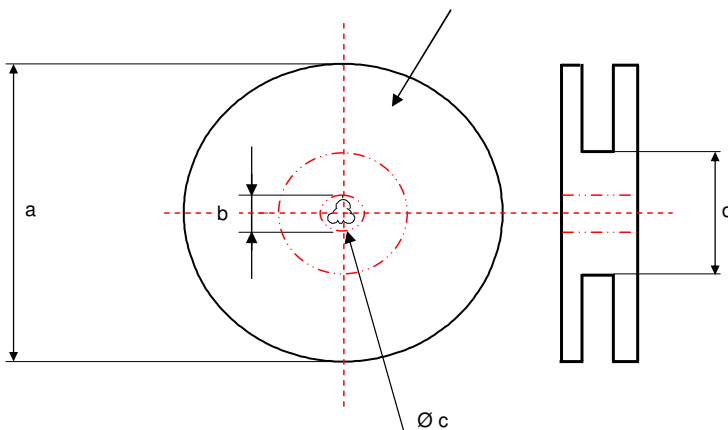
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I Rollenspezifikation / Tape and reel specification :



Gurtspezifikation / Tape specification:

A	6,6 ± 0,1	mm
B	16,0 ± 0,3	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	7,00 ± 0,1	mm
H	3,40 ± 0,1	mm



Rollenspezifikation / Reel specification:

a	330,0 ± 0,5	mm
b	20,20 ± 0,1	mm
c	13,00 ± 1,0	mm
d	100,0 ± 1,0	mm

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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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