

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

744042003

Bezeichnung :

SPEICHERDROSSEL WE-TPC

description :

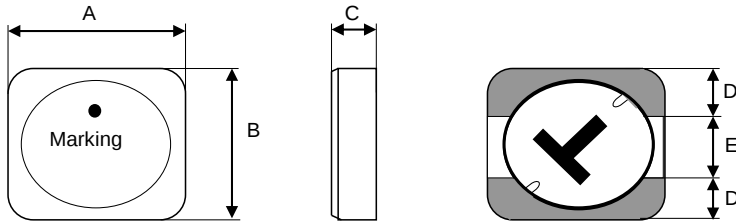
POWER-CHOKE WE-TPC



WÜRTH ELEKTRONIK

DATUM / DATE : 2010-08-01

A Mechanische Abmessungen / dimensions:



	Type 4818	
A	4,8 ± 0,2	mm
B	4,8 ± 0,2	mm
C	1,8 ± 0,2	mm
D	1,60 typ.	mm
E	1,60 typ.	mm

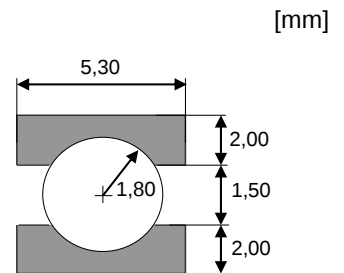
● = Start of winding

Marking = Inductance code

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	100 kHz / 0,1V	L	3,30	μH	± 30%
DC-Widerstand / DC-resistance	@ 20°C	R _{DC typ}	0,055	Ω	typ.
DC-Widerstand / DC-resistance	@ 20°C	R _{DC max}	0,065	Ω	max.
Nennstrom / rated current	ΔT=30 K	I _{DC}	1950	mA	max.
Sättigungsstrom / saturation current	ΔL/L <35%	I _{sat}	1800	mA	typ.
Eigenres.-Frequenz / self-res.-frequency		SRF	80	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 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		
		CZ	Version 6
		ME	Version 5
		MST	Version 4
		MST	Version 3
		MST	Version 2
		MPH	Version 1
		Name	Änderung / modification
			Datum / date
Datum / date	Unterschrift / signature		
	Würth Elektronik		
Gepüft / checked	Kontrolliert / approved		

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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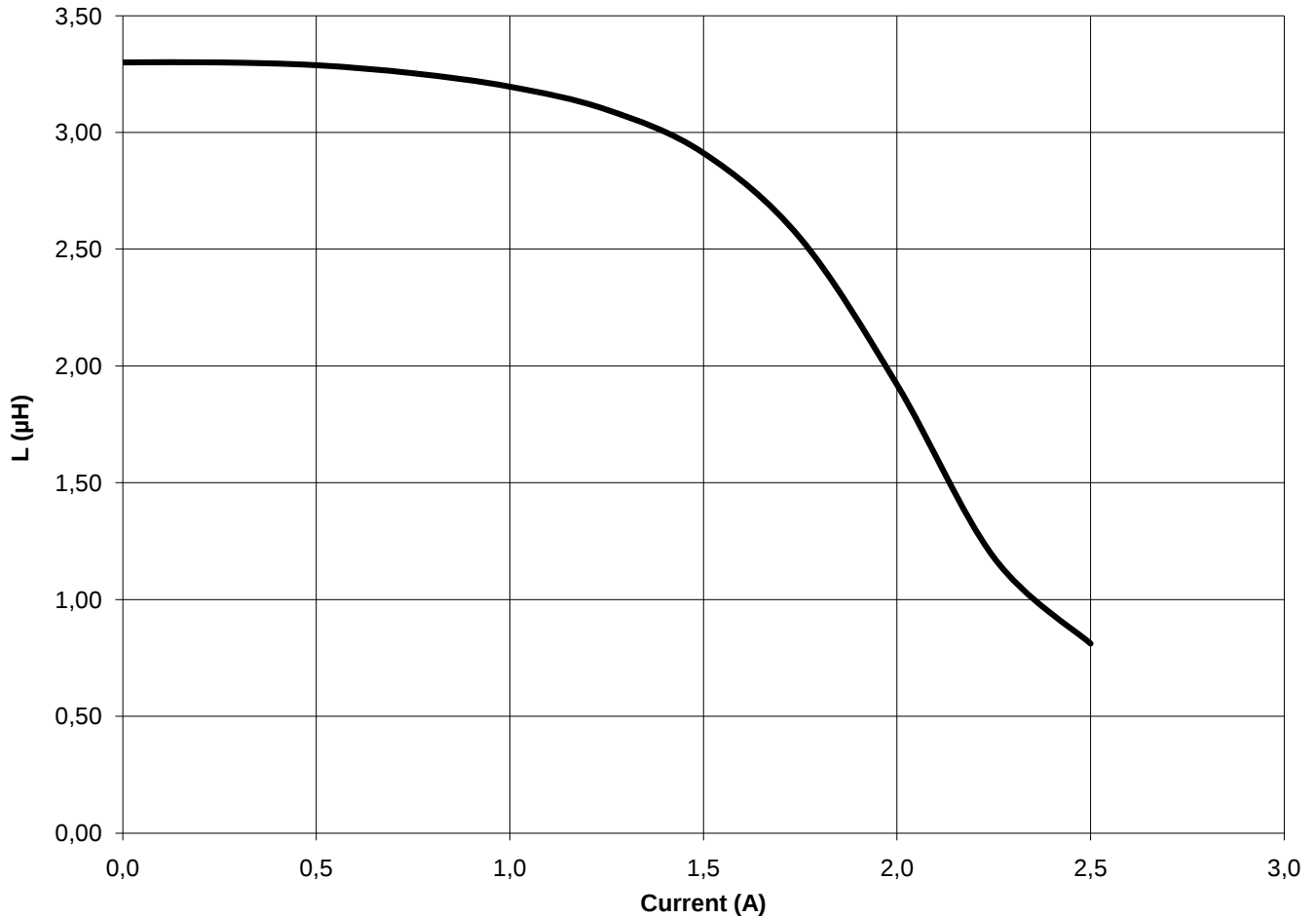


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H Induktivitätskurve / Inductance curve :

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



Freigabe erteilt / general release:	Kunde / customer				
			CZ	Version 6	10-08-01
			ME	Version 5	09-01-15
Datum / date	Unterschrift / signature		MST	Version 4	08-04-11
	Würth Elektronik		MST	Version 3	04-10-11
			MST	Version 2	04-08-09
			MPH	Version 1	03-03-20
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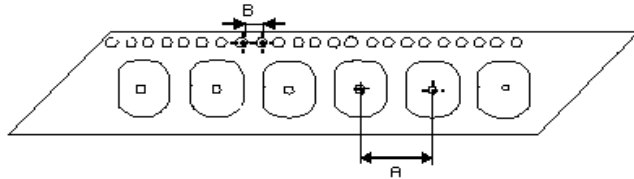
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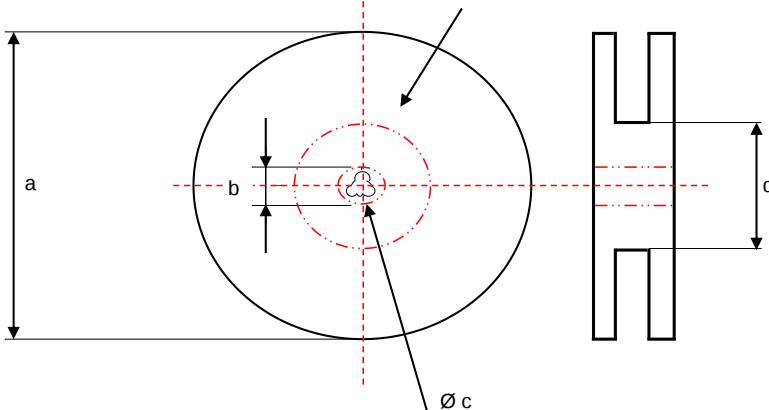
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I Rollenspezifikation / tape and reel specification:

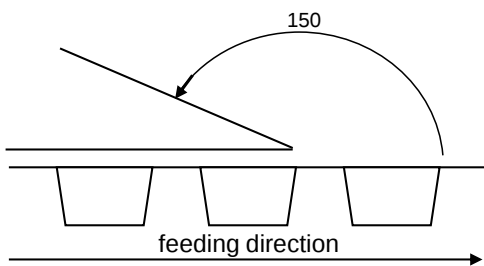
Gurtspezifikation / Tape specification:



A	8,0 ±1,0	mm
B	4,0 ±1,0	mm



Rollenspezifikation / Reel specification:		
a	178 ± 0,5	mm
b	20,20 ± 0,1	mm
c	13,00 ± 0,5 - 1,0	mm
d	50,0 ± 1,0	mm



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

Freigabe erteilt / general release:

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Datum / date

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Würth Elektronik

Geprüft / checked

Kontrolliert / approved

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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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