# Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : **7447798360**

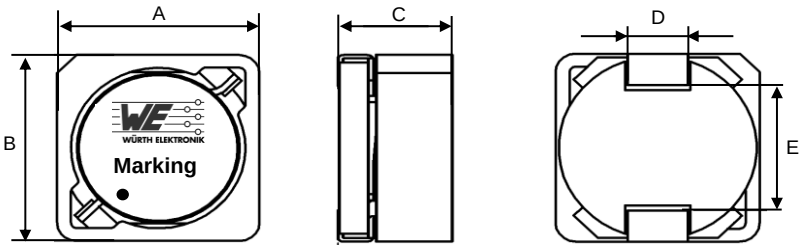
Bezeichnung : **SPEICHERDROSSEL WE-PDF**
description : **POWER-CHOKE WE-PDF**

COMPLIANT RoHS&REACh WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

**DATUM / DATE : 2011-08-30**

## A Mechanische Abmessungen / dimensions :




● Start of winding

Marking = Inductance code

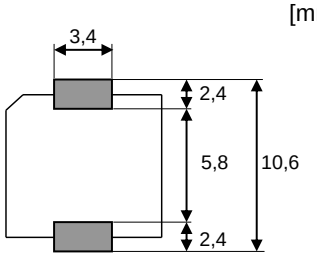
| | size 1064 | |
|---|---|---|
| A | **10,2 ± 0,3** | mm |
| B | **10,2 ± 0,3** | mm |
| C | **6,4 max.** | mm |
| D | **3,0 ± 0,2** | mm |
| E | **6,8 ± 0,5** | mm |

## B Elektrische Eigenschaften / electrical properties :

| Eigenschaften / properties | Testbedingungen / test conditions | | Wert / value | Einheit / unit | tol. |
|---|---|---|---|---|---|
| Induktivität / inductance | **100 kHz / 5mA** | L | **3,60** | µH | **±30%** |
| DC-Widerstand / DC-resistance | **@ 20°C / 1A** | $R_{DC\ typ}$ | **5,3** | mΩ | **typ.** |
| DC-Widerstand / DC-resistance | **@ 20°C / 1A** | $R_{DC\ max}$ | **6,0** | mΩ | **max.** |
| Nennstrom / rated current | **ΔT=40 K** | $I_R$ | **12,00** | A | **typ.** |
| Sättigungsstrom / saturation current | **\|ΔL/L\|<10%** | $I_{sat}$ | **8,60** | A | **typ.** |
| Eigenres.-Frequenz / self-res.-fequency | | $f_{res}$ | **46,0** | MHz | **typ.** |

## C Lötpad / soldering spec. :

[mm]




## D Prüfgeräte / test equipment :

**Wayne Kerr 3260B** für/for L und/and $I_{sat}$

**GMC Metrahit** für/for $R_{DC}$

**Agilent N5776A** für/for $I_R$

**Agilent E4991A** für/for $f_{res}$

## 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 / Ni |
| Draht / wire: | SFT-EI / AIWJ |
| UL-File Number: | E318511 |

## G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: -40°C - +150°C

Umgebungstemp. / ambient temperature: -40°C - +110°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 | Würth Elektronik |
|---|---|
| ..... | ..... |
| Datum / date | Unterschrift / signature |
| ..... | ..... |
| Geprüft / checked | Kontrolliert / approved |

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| | | |
| SvS | Version 2 | 11-08-30 |
| OO | Version 1 | 09-12-01 |
| 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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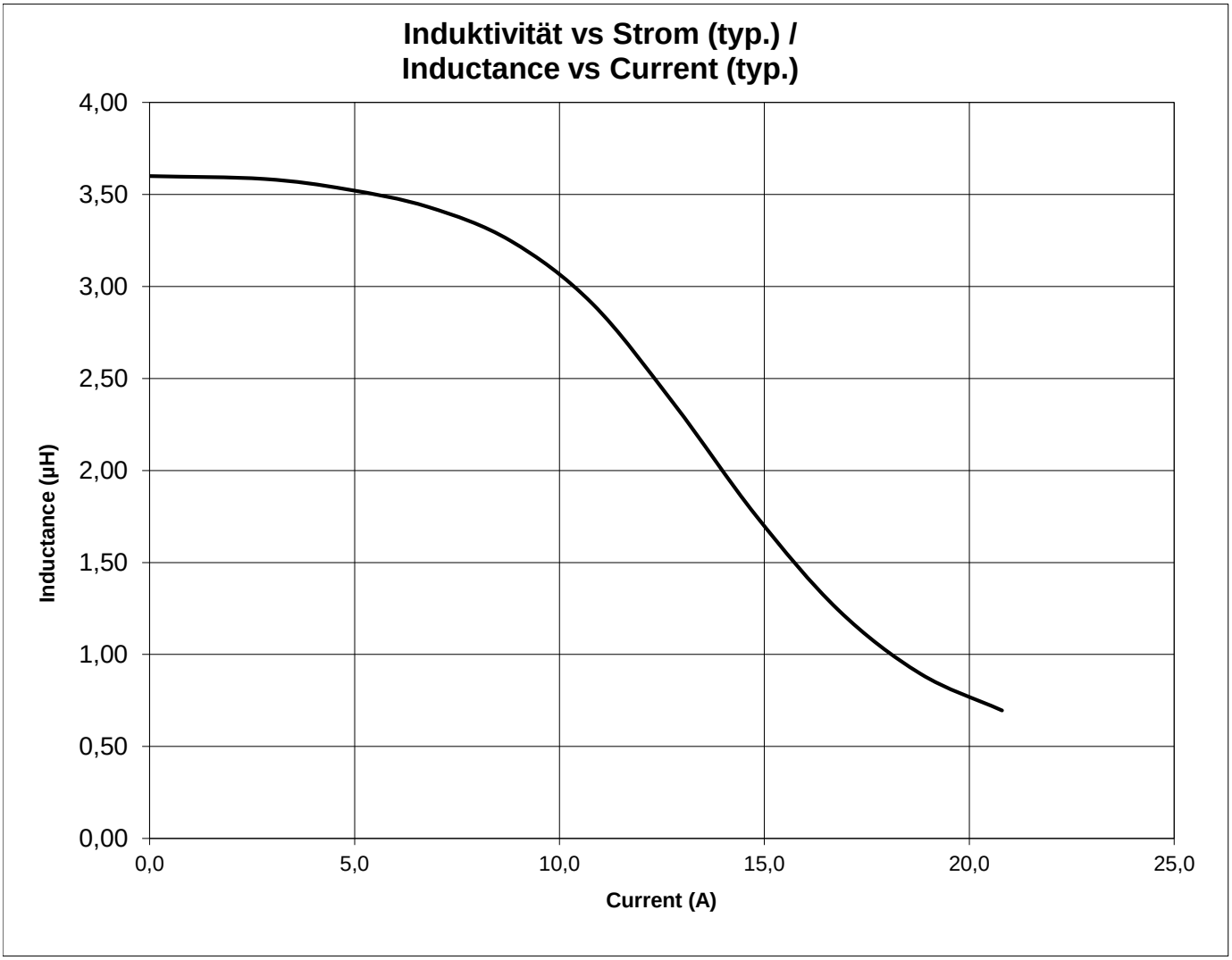
## H Induktivitätskurve / Inductance curve :




| Freigabe erteilt / general release: | Kunde / customer | | | |
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| Datum / date | Unterschrift / signature | | | |
| | Würth Elektronik | | | |
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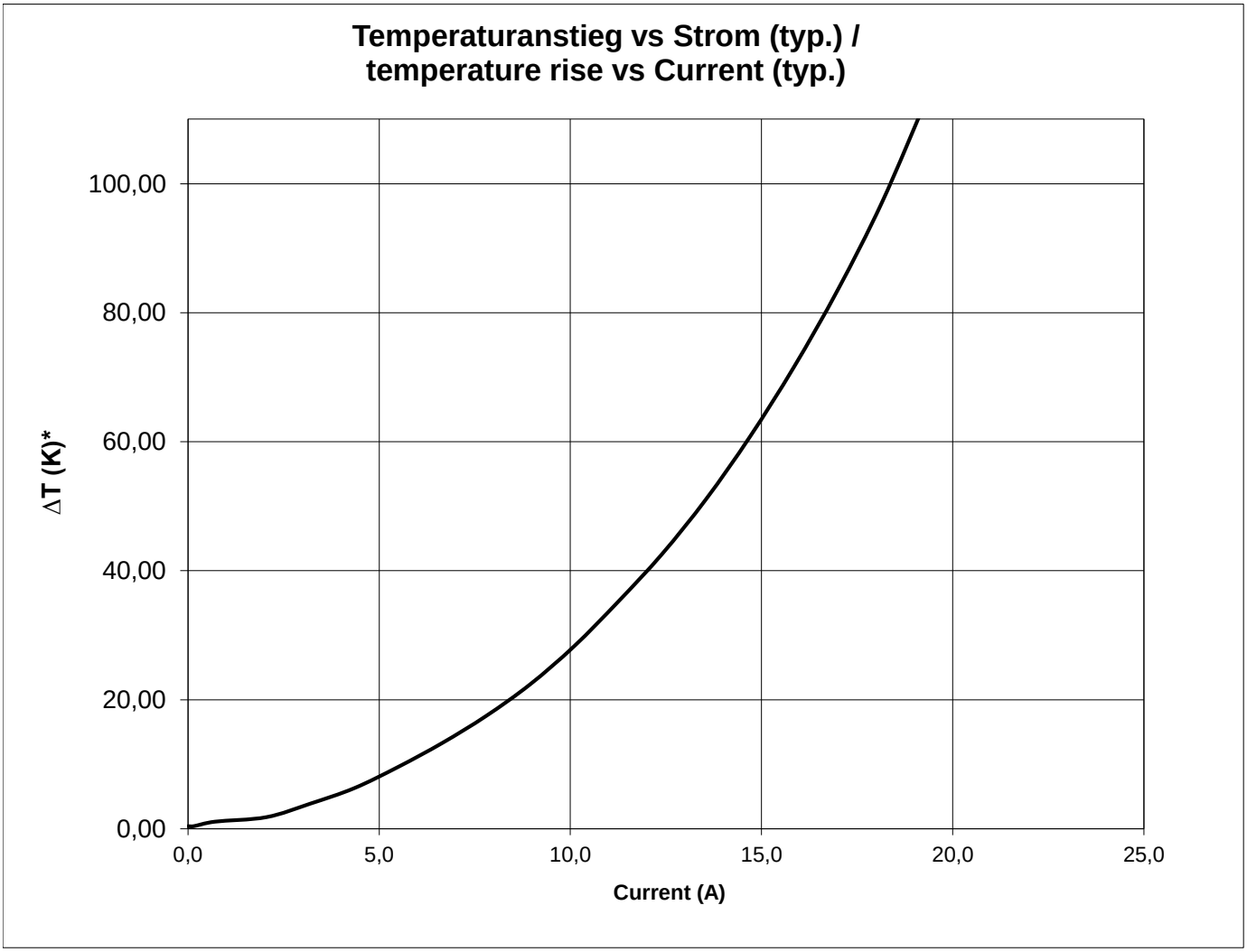
## I Induktivitäts-Temperatur-Kurve / Inductance Temperature curve :




*Temperatur gemessen an Bauteiloberfläche / temperature measured at surface of component

| | | | | |
|---|---|---|---|---|
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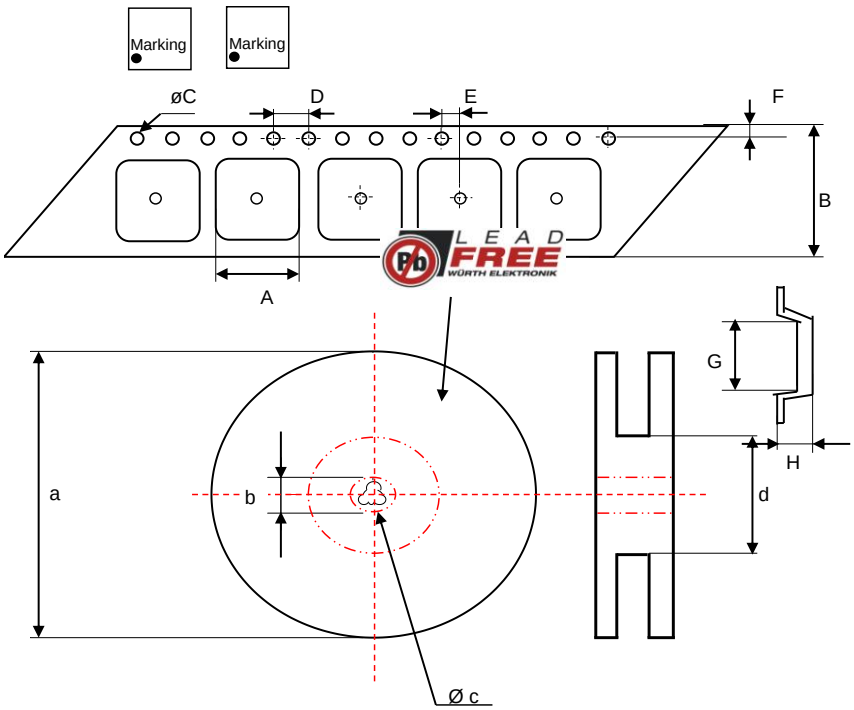
## K Rollenspezifikation / tape and reel specification :

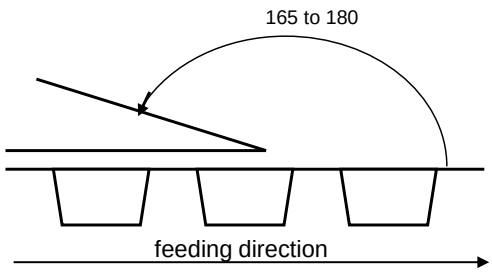






| Gurtspezifikation / Tape specification: | | |
|---|---|---|
| A | **10,45 ± 0,1** | mm |
| B | **24,00 ± 0,3** | mm |
| C | **1,55 ± 0,05** | mm |
| D | **4,00 ± 0,1** | mm |
| E | **2,00 ± 0,1** | mm |
| F | **1,75 ± 0,1** | mm |
| G | **10,45 ± 0,1** | mm |
| H | **6,60 ± 0,1** | mm |

| Rollenspezifikation / Reel specification: | | |
|---|---|---|
| a | **330,0 ± 2,0** | mm |
| b | **21,00 ± 0,8** | mm |
| c | **13,00 ± 0,5** | mm |
| d | **100,0 ± 1,0** | mm |




The force for tearing off cover tape is
10 to 130 grams in arrow direction

Freigabe erteilt / general release:

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| Datum / date | Unterschrift / signature |
| **Würth Elektronik** | |
| Geprüft / checked | Kontrolliert / approved |

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