# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **7440660022**

Bezeichnung : **SPEICHERDROSSEL WE-TPC**

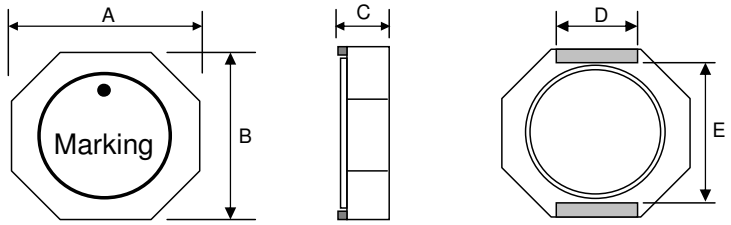
description : **POWER-CHOKE WE-TPC**

compliant RoHS WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

**DATUM / DATE : 2008-11-24**

## A Mechanische Abmessungen / dimensions :




| | 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 |

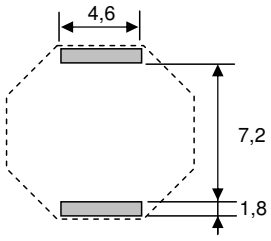
● = Start of winding  Marking = Inductance code

## B Elektrische Eigenschaften / electrical properties :

| Eigenschaften / properties | Testbedingungen / test conditions | | Wert / value | Einheit / unit | tol. |
|---|---|---|---|---|---|
| Induktivität / inductance | **100 kHz / 1,0V** | L | **2,20** | µH | **± 30%** |
| DC-Widerstand / DC-resistance | **@ 20°C** | $R_{DC\ typ}$ | **8,00** | mΩ | **typ.** |
| DC-Widerstand / DC-resistance | **@ 20°C** | $R_{DC\ max}$ | **10,50** | mΩ | **max.** |
| Nennstrom / rated current | **ΔT=30 K** | $I_{DC}$ | **6,70** | A | **max.** |
| Sättigungsstrom / saturation current | **\|ΔL/L\|<35%** | $I_{sat}$ | **6,80** | A | **typ.** |
| Eigenres.-Frequenz / self-res.-fequency | | SRF | **55,0** | MHz | **typ.** |

## C Lötpad / soldering spec. :

[mm]




## 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**

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http://www.we-online.de

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LF compliant RoHS WÜRTH ELEKTRONIK

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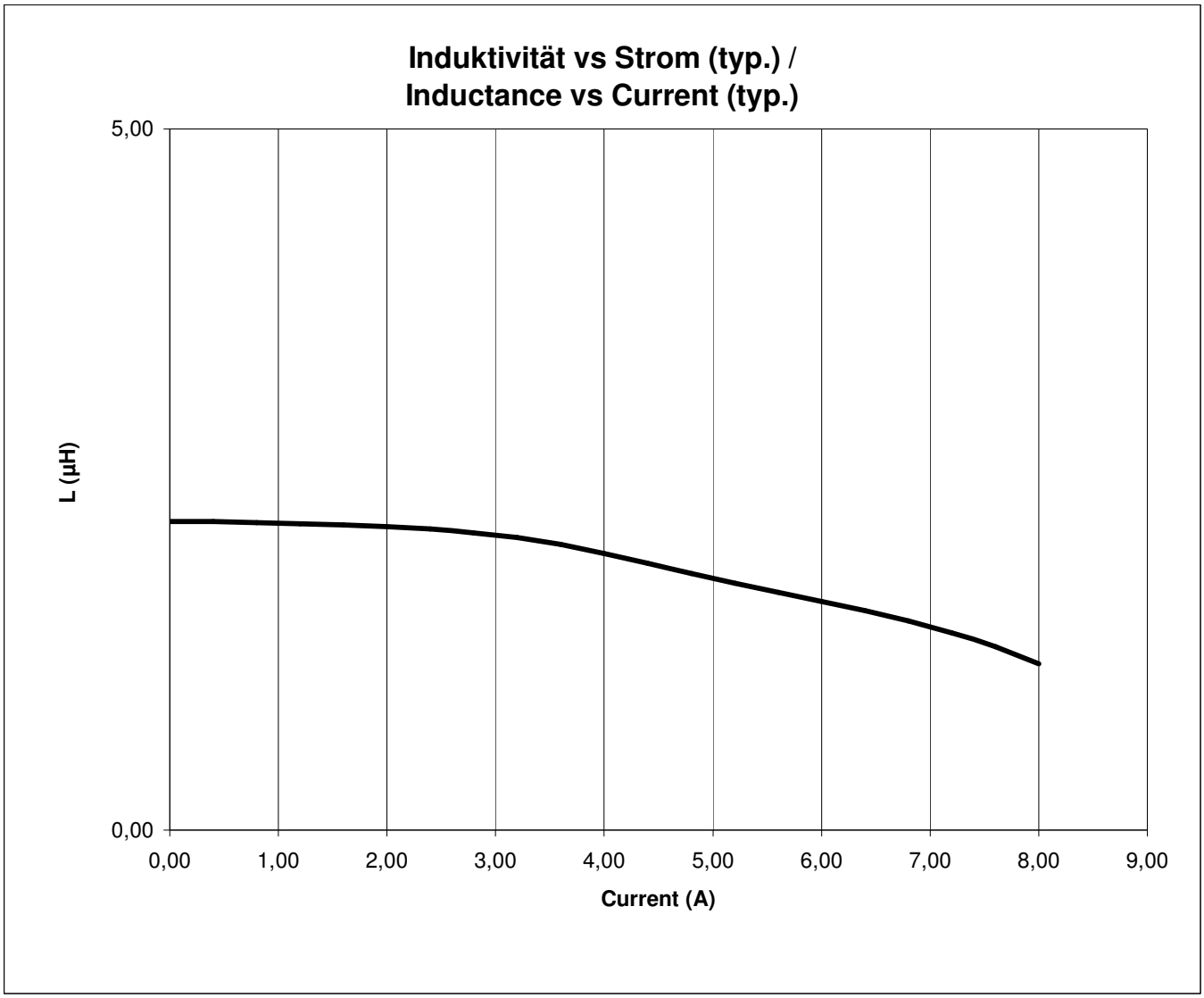
**DATUM / DATE : 2008-11-24**

## H Induktivitätskurve / Inductance curve :




| | | | | |
|---|---|---|---|---|
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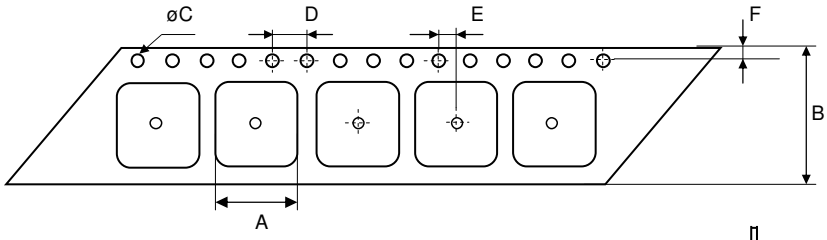
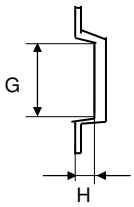
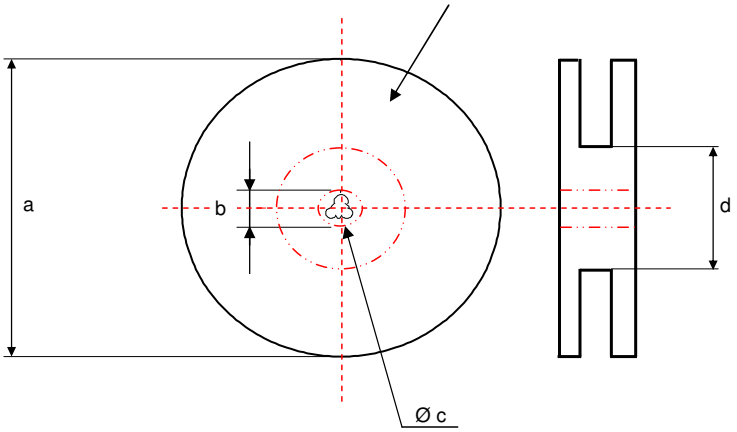
## I Rollenspezifikation / Tape and reel specification :




| 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 |

Freigabe erteilt / general release:

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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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