

# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

744029150

Bezeichnung :

SPEICHERDROSSEL WE-TPC

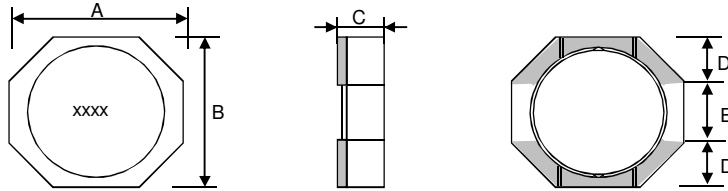
description :

POWER-CHOKE WE-TPC



DATUM / DATE : 2010-10-01

## A Mechanische Abmessungen / dimensions:

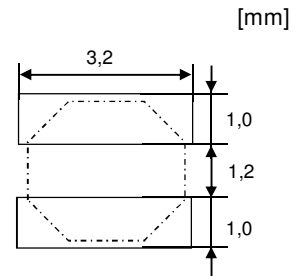


| size | 2813        |    |
|------|-------------|----|
| A    | 2,8 ± 0,2   | mm |
| B    | 2,8 ± 0,2   | mm |
| C    | 1,35 ± 0,15 | mm |
| D    | 0,9 typ.    | mm |
| E    | 0,9 typ.    | mm |
|      |             |    |
|      |             |    |
|      |             |    |
|      |             |    |

## B Elektrische Eigenschaften / electrical properties:

## C Lötspad / soldering spec.:

| Eigenschaften / properties               | Testbedingungen / test conditions |                      | Wert / value | Einheit / unit | tol. |
|------------------------------------------|-----------------------------------|----------------------|--------------|----------------|------|
| Induktivität / inductance                | 100 kHz / 10mA                    | L                    | 15           | μH             | ±30% |
| DC-Widerstand / DC-resistance            | @ 20°C                            | R <sub>DC typ.</sub> | 600          | mΩ             | typ. |
| DC-Widerstand / DC-resistance            | @ 20°C                            | R <sub>DC max.</sub> | 700          | mΩ             | max. |
| Nennstrom / rated Current                | ΔT = 40 K                         | I <sub>N</sub>       | 0,5          | A              | typ. |
| Sättigungsstrom / saturation current     | ΔL/L < 35%                        | I <sub>sat</sub>     | 0,42         | A              | typ. |
| Eigenres.-Frequenz / self-res.-frequency |                                   | SRF                  | 32           | MHz            | typ. |



## D Prüfgeräte / test equipment:

## E Testbedingungen / test conditions:

WAYNE KERR 3260B für/for L<sub>0</sub>; I<sub>SAT</sub>

HP 34401 A & Fluke 54II für/for I<sub>DC</sub>

Metra HIT 27I für/for R<sub>DC</sub>

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

## F Werkstoffe & Zulassungen / material & approvals:

## G Eigenschaften / general specifications:

Basismaterial / base material: Ferrit/ ferrite  
Draht / wire: Class H /180 °C  
Endoberfläche / finishing electrode: Ag/Ni/Sn

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

Version2

10-10-01

ME

Version 1

09-04-24

Name

Änderung / modification

Datum / date

**Würth Elektronik eiSos GmbH & Co. KG**

D-74638 Waldenburg · Max-Eyth-Strasse 1 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400  
<http://www.we-online.de>

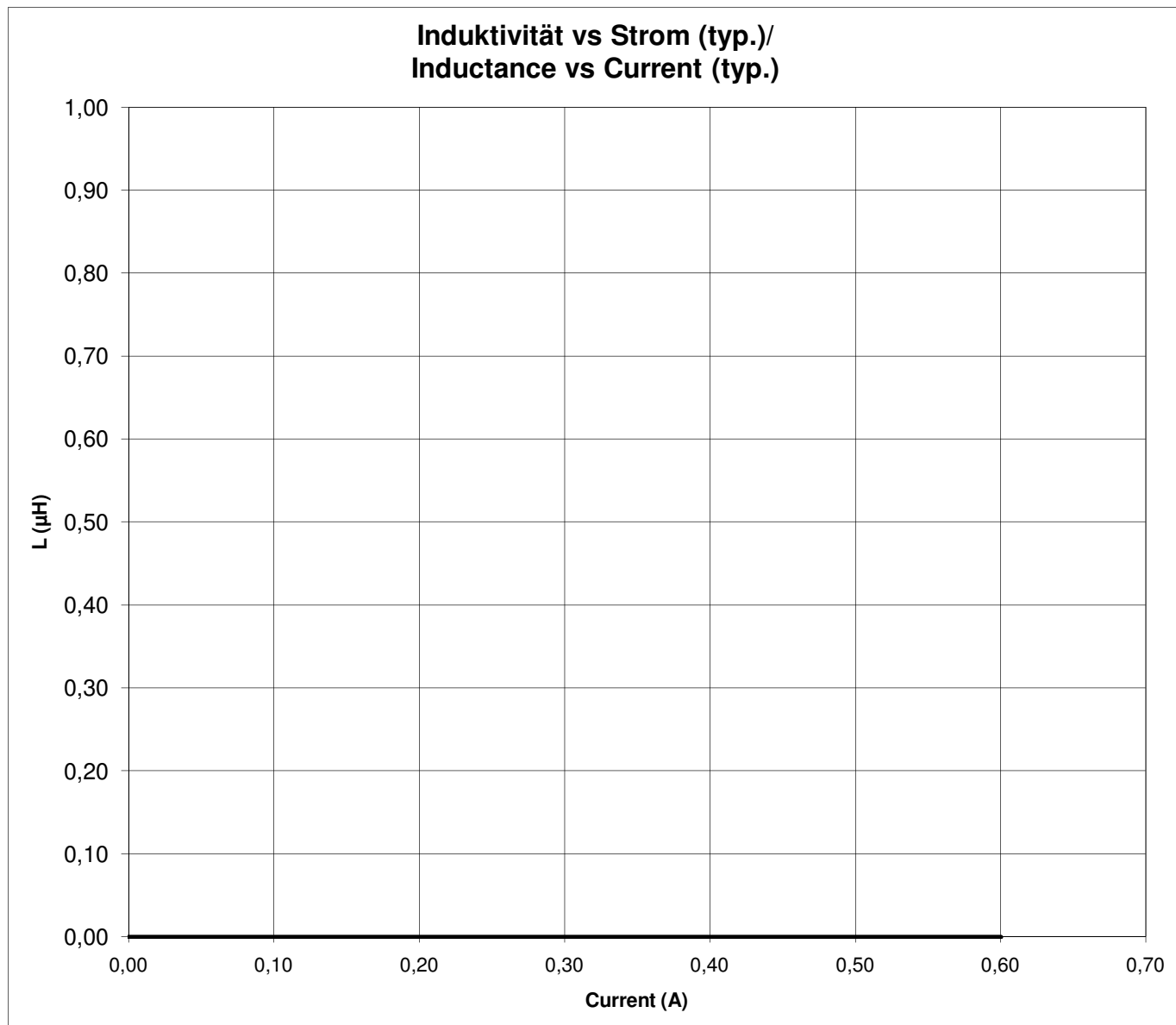
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## H Induktivitätskurve / Inductance curve:



|                                     |                          |      |                         |              |
|-------------------------------------|--------------------------|------|-------------------------|--------------|
| Freigabe erteilt / general release: | Kunde / customer         |      |                         |              |
|                                     |                          |      |                         |              |
|                                     |                          |      |                         |              |
| Datum / date                        | Unterschrift / signature |      |                         |              |
|                                     | Würth Elektronik         |      |                         |              |
|                                     |                          | ME   | Version2                | 10-10-01     |
|                                     |                          | ME   | Version 1               | 09-04-24     |
| Geprüft / checked                   | Kontrolliert / approved  | Name | Änderung / modification | Datum / date |

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Bezeichnung :

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description :

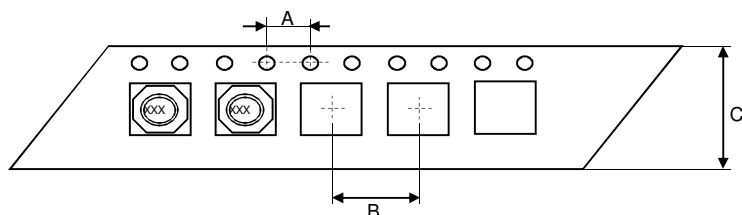
POWER-CHOKE WE-TPC



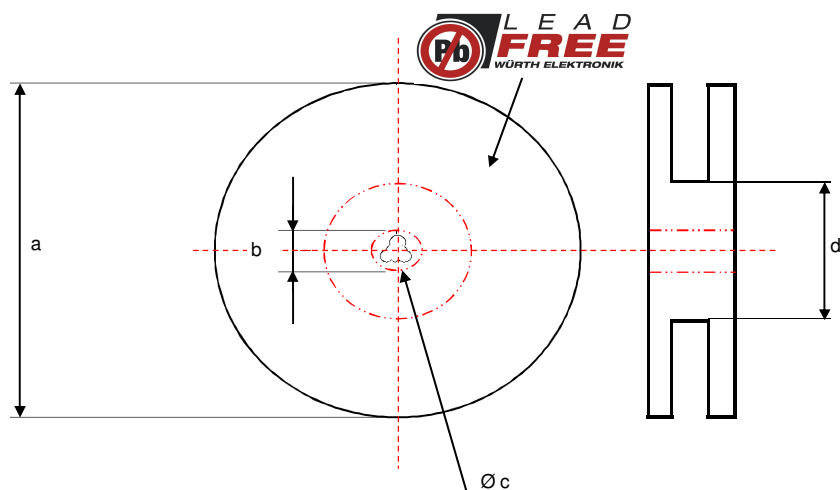
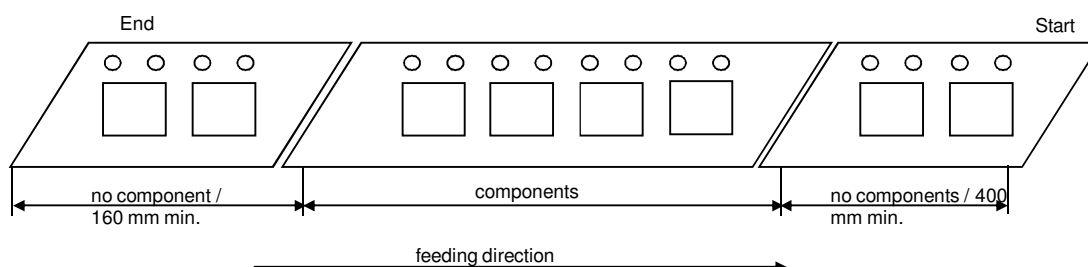
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## I Rollenspezifikation / tape and reel specification:

Gurtspezifikation / Tape specification:



|   |            |    |
|---|------------|----|
| A | 4,00 ± 0,1 | mm |
| B | 8,00 ± 0,1 | mm |
| C | 12,0 ± 0,2 | mm |



| Rollenspezifikation / Reel specification: |             |    |
|-------------------------------------------|-------------|----|
| a                                         | 178,0 ± 2,0 | mm |
| b                                         | 21,00 ± 0,8 | mm |
| c                                         | 13,00 ± 0,5 | mm |
| d                                         | 50,00 ± 1,0 | mm |

|                                     |                          |      |                         |              |
|-------------------------------------|--------------------------|------|-------------------------|--------------|
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|                                     |                          |      |                         |              |
|                                     |                          |      |                         |              |
|                                     |                          |      |                         |              |
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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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