

# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **744731102**

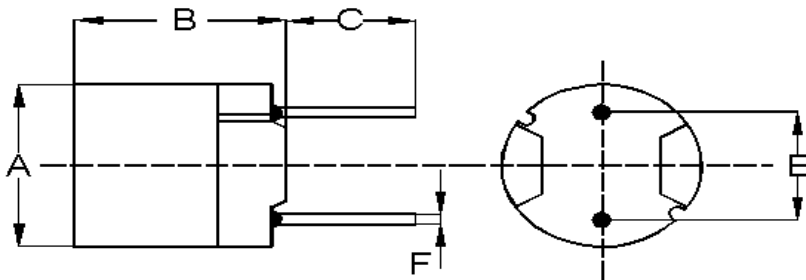
Bezeichnung : **Tonneninduktivität WE-TI geschirmt**

description : **Filter Choke WE-TI shielded**



DATUM / DATE : 2011-04-07

## A Mechanische Abmessungen / dimensions:

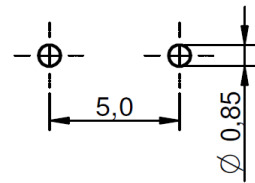


|   | Typ "LM"          |    |
|---|-------------------|----|
| A | <b>7,8 ± 0,5</b>  | mm |
| B | <b>7,5 max.</b>   | mm |
| C | <b>5,0 ± 1,0</b>  | mm |
| D |                   | mm |
| E | <b>5,0 ± 0,5</b>  | mm |
| F | <b>∅ 0,65 typ</b> | mm |
|   |                   |    |
|   |                   |    |

## B Elektrische Eigenschaften / electrical properties:

| Eigenschaften / properties               | Testbedingungen / test conditions |                  | Wert / value | Einheit / unit | tol.        |
|--|-----------------------------------|------------------|--------------|----------------|-------------|
| Leerlauf-Induktivität / inductance       | <b>1 kHz / 0,25V</b>              | L                | <b>1000</b>  | μH             | <b>±10%</b> |
| DC-Widerstand / DC-resistance            |                                   | R <sub>DC</sub>  | <b>2,72</b>  | Ω              | <b>max.</b> |
| Nennstrom / nominal current              | <b>ΔT = 40K</b>                   | I <sub>R</sub>   | <b>0,23</b>  | A              | <b>max.</b> |
| Sättigungsstrom / saturating current     | <b> ΔL/L  &lt; 10%</b>            | I <sub>sat</sub> | <b>0,25</b>  | A              | <b>typ.</b> |
| Eigenres.-Frequenz / self-res.-frequency |                                   | f <sub>res</sub> | <b>1,70</b>  | MHz            | <b>typ.</b> |

## C Lötpad / soldering spec.:



## D Prüfgeräte / test equipment:

**Wayne Kerr 3260B** für/for L

**GMC Metrahit 271** Milliohmmeter für/for R<sub>DC</sub>

**Dostmann T900** Thermometer für/for I<sub>R</sub>

**Agilent 4396B** für/for f<sub>res</sub>

## E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity: **33%**

Umgebungstemperatur / temperature: **+20°C**

## F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: Ferrit/ferrite

Draht / wire: Class F

shrink tube: Polyoefine

## 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

|      |                         |              |
|------|-------------------------|--------------|
|      |                         |              |
|      |                         |              |
|      |                         |              |
| CZ   | Version 3               | 11-04-07     |
| CZ   | Version 2               | 10-01-13     |
| Smu  | Version 1               | 08-02-21     |
| Name | Änderung / modification | Datum / date |

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.

**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>

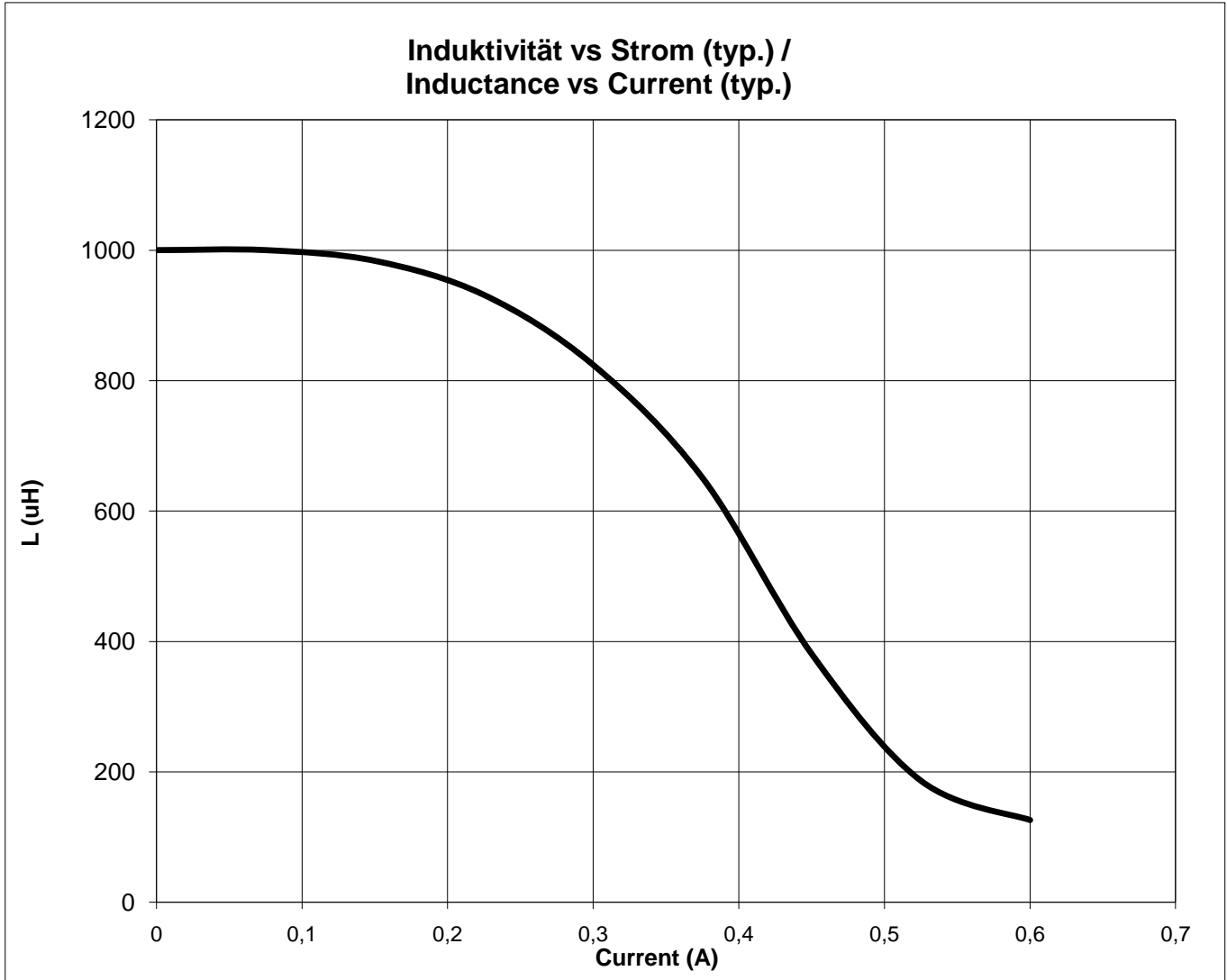
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## H Induktivitätskurve / Inductance curve :



|                                     |                          |      |                                |              |
|-------------------------------------|--------------------------|------|--------------------------------|--------------|
| Freigabe erteilt / general release: | <b>Kunde / customer</b>  |      |                                |              |
| .....                               | .....                    |      |                                |              |
| Datum / date                        | Unterschrift / signature |      |                                |              |
|                                     | <b>Würth Elektronik</b>  | CZ   | Version 3                      | 11-04-07     |
|                                     |                          | CZ   | Version 2                      | 10-01-13     |
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