

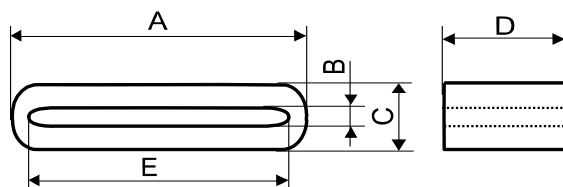
# Spezifikation für Freigabe / specification for release

Kunde / customer : \_\_\_\_\_  
 Artikelnummer / part number : **7427214**  
 Bezeichnung : **FLACHKERN**  
 description : **FLAT FERRITE CORE**



DATUM / DATE : 2006-10-12

## A Mechanische Abmessungen / dimensions:



|   |               |    |
|---|---------------|----|
| A | 45,2 ± 0,7    | mm |
| B | 1,3 +0,4 -0,2 | mm |
| C | 6,5 ± 0,3     | mm |
| D | 12,0 ± 0,3    | mm |
| E | 40,0 ± 0,8    | mm |
|   |               |    |
|   |               |    |
|   |               |    |

## B Elektrische Eigenschaften / electrical properties:

| Eigenschaften / properties           | Testbedingungen / test conditions |   | Wert / value | Einheit / unit | Tol.  |
|--------------------------------------|-----------------------------------|---|--------------|----------------|-------|
| Impedanz @ 1 Wg./ impedance @ 1 turn | 25 MHz                            | Z | 26           | Ω              | ± 25% |
| Impedanz @ 1 Wg./ impedance @ 1 turn | 100 MHz                           | Z | 66           | Ω              | ± 25% |
|                                      |                                   |   |              |                |       |
| Impedanz @ 2 Wg./ impedance @ 2 turn |                                   | Z |              | Ω              |       |
| Impedanz @ 2 Wg./ impedance @ 2 turn |                                   | Z |              | Ω              |       |

## C



## D Prüfgeräte / test equipment:

**HP 4191 B** für/for Z und/and material  
**16092A** - Klemme / clamp  
**AWG26** - Ø 0,8mm - Länge/length: 220 mm

## E Testbedingungen / test conditions:

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

## F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: 3 W 800

## G Eigenschaften / general specifications:

Curietemperatur / curie temperature: + 140°C  
 für Flachbandkabel / for flat cable [max]: 30-pol.  
 Lagertemperatur / storage temperature: -55°C ~ + 125°C  
 Betriebstemp. / operating temperature: -25°C ~ + 125°C

|                                     |                          |      |                         |              |
|-------------------------------------|--------------------------|------|-------------------------|--------------|
| Freigabe erteilt / general release: | Kunde / customer         |      |                         |              |
|                                     |                          |      |                         |              |
|                                     |                          |      |                         |              |
| Datum / date                        | Unterschrift / signature |      |                         |              |
|                                     | Würth Elektronik         | SMU  | Update                  | 06-10-12     |
|                                     |                          | LF   | RoHS update             | 04-10-11     |
|                                     |                          | JH   | Version 1               | 00-12-06     |
| Geprüft / checked                   | Kontrolliert / approved  | Name | Änderung / modification | Datum / date |

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

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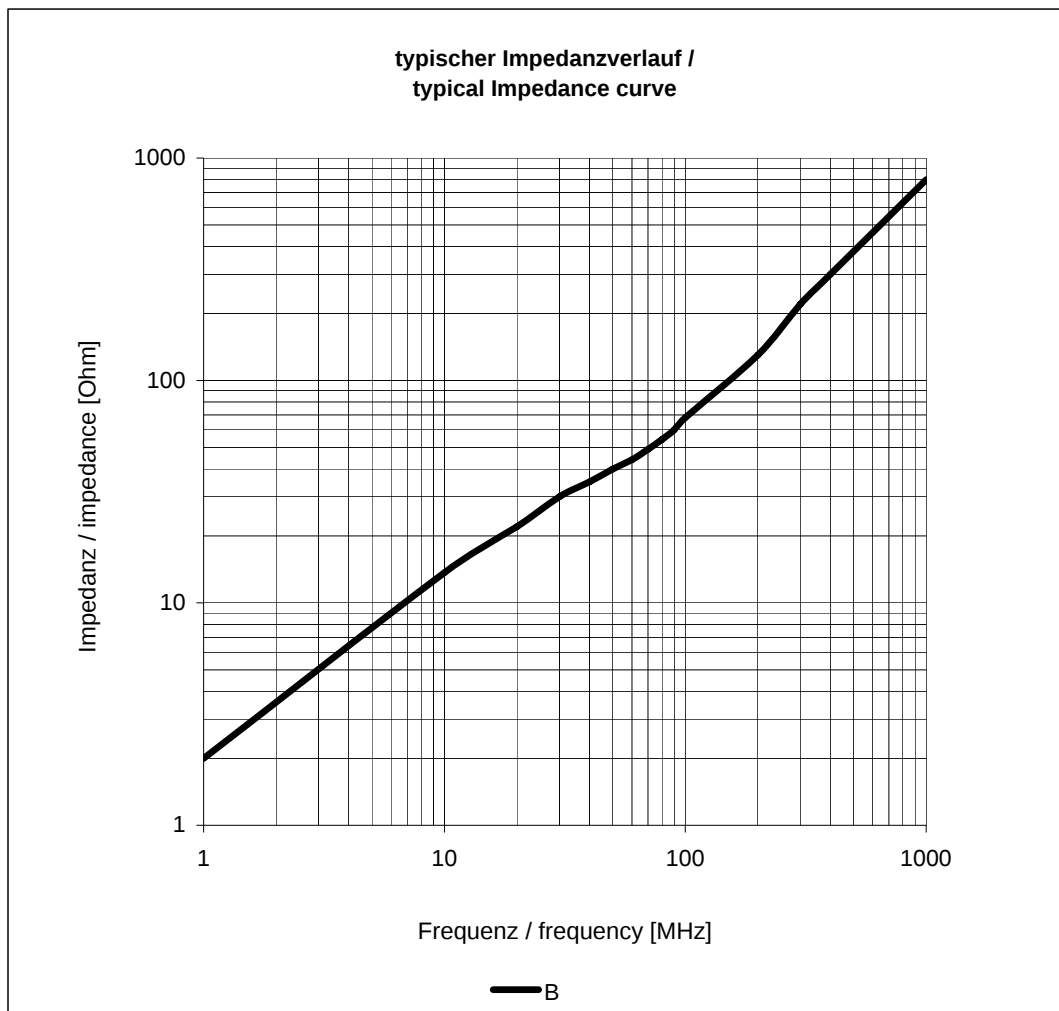
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## H Impedanzverlauf / impedance curve:



**B: 1 x durch Bohrung Ferrit / 1 x times trough ferrite**

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