

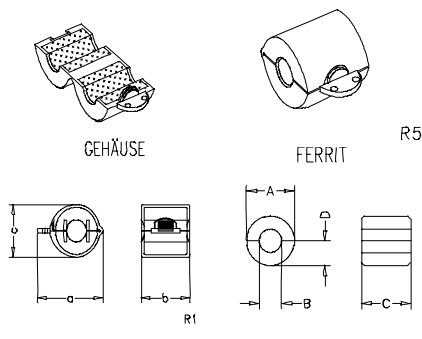
# Spezifikation für Freigabe / specification for release

Kunde / customer : \_\_\_\_\_  
 Artikelnummer / part number : **7427144** **LF**  
 Bezeichnung : **RINGKERN MIT GEHÄUSE - KLAPPBAR**  
 description : **SPLIT FERRITE RING WITH HOUSING**



DATUM / DATE : 2005-03-16

## A Mechanische Abmessungen / dimensions:



|   |      |    |
|---|------|----|
| a | 34,5 | mm |
| b | 17,0 | mm |
| c | 30,0 | mm |
| A | 23,8 | mm |
| B | 11,4 | mm |
| C | 14,0 | mm |
| D | 11,9 | 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 | 70           | $\Omega$       | $\pm 25\%$ |
| Impedanz @ 1 Wg./ impedance @ 1 turn | 100 MHz                           | Z | 129          | $\Omega$       | $\pm 25\%$ |
| Impedanz @ 2 Wg./ impedance @ 2 turn | 25 MHz                            | Z | 175          | $\Omega$       | $\pm 25\%$ |
| Impedanz @ 2 Wg./ impedance @ 2 turn | 100 MHz                           | Z | 490          | $\Omega$       | $\pm 25\%$ |

## C



## D Prüfgeräte / test equipment:

HP 4191 B für/for Z und/and material  
 16092A - Klemme / clamp  
 AWG26 -  $\varnothing$  0,5mm - Länge/length: 165 mm

## E Testbedingungen / test conditions:

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

## F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: 4 W 620  
 Kunststoff / plastic material: PA 6  
 UL-Zulassungen / UL-approval: UL94-V0 / E76261 (M)

## G Eigenschaften / general specifications:

Curietemperatur / curie temperature: + 150°C  
 Kabeldurchmesser / cable diameter [mm]:  $\leq 11,0$   
 Lagertemperatur / storage temperature: -40°C ~ + 85°C  
 Betriebstemp. / operating temperature: -25°C ~ +105°C

|                                     |                          |      |                         |              |
|-------------------------------------|--------------------------|------|-------------------------|--------------|
| Freigabe erteilt / general release: | Kunde / customer         |      |                         |              |
|                                     |                          |      |                         |              |
|                                     |                          | SST  | UL Update               | 05-03-16     |
| Datum / date                        | Unterschrift / signature | LF   | RoHS update             | 04-10-11     |
|                                     | Würth Elektronik         | LF   | Impedanz                | 04-02-09     |
|                                     |                          | LF   | Op.Temp                 | 03-01-22     |
|                                     |                          | JH   | Neugestaltung           | 00-12-06     |
| Geprüft / checked                   | Kontrolliert / approved  | Name | Änderung / modification | Datum / date |

## Würth Elektronik eiSos GmbH & Co. KG

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<http://www.we-online.com>

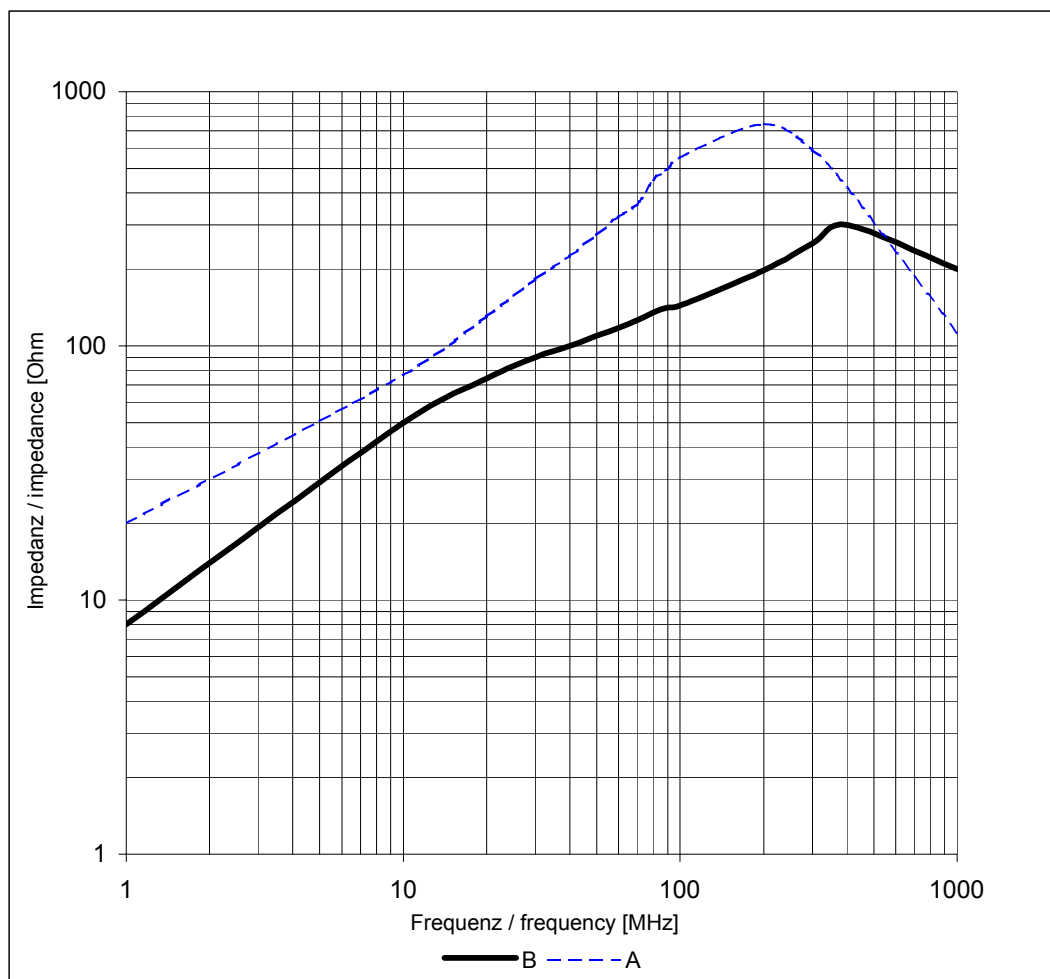
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## H Impedanzverlauf / impedance curve:



**A: 2 x durch Bohrung Ferrit / 2 x times through ferrite**

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

|                                     |                          |                         |              |
|-------------------------------------|--------------------------|-------------------------|--------------|
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|                                     |                          |                         |              |
|                                     |                          |                         |              |
| Datum / date                        | Unterschrift / signature |                         |              |
|                                     |                          |                         |              |
|                                     |                          |                         |              |
|                                     | Würth Elektronik         |                         |              |
|                                     |                          |                         |              |
|                                     |                          |                         |              |
| Geprüft / checked                   | Kontrolliert / approved  |                         |              |
|                                     |                          |                         |              |
|                                     |                          |                         |              |
|                                     | Name                     | Änderung / modification | Datum / date |

This electronic component is designed and developed with the intention for use in general electronics equipments. Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body. In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before use. It is essential to give consideration when to install a protective circuit at the design stage.

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