

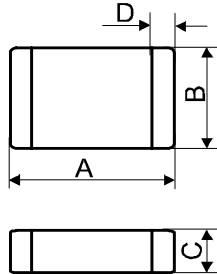
# Spezifikation für Freigabe / specification for release

Kunde / customer : \_\_\_\_\_  
 Artikelnummer / part number : **742792093** LF  
 Bezeichnung : **Multilayer-SMD-Ferrit**  
 description : **Multilayer-SMD-Ferrite**



DATUM / DATE : 2005-12-16

## A Mechanische Abmessungen / dimensions:

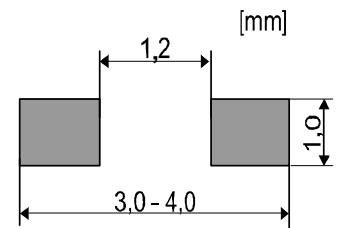


|   |                   | Größe / size 0805 |  |
|---|-------------------|-------------------|--|
| A | <b>2,0 ± 0,2</b>  | mm                |  |
| B | <b>1,20 ± 0,2</b> | mm                |  |
| C | <b>0,9 ± 0,2</b>  | mm                |  |
| D | <b>0,5 ± 0,3</b>  | mm                |  |
|   |                   |                   |  |
|   |                   |                   |  |
|   |                   |                   |  |

## B Elektrische Eigenschaften / electrical properties:

## C Lötpad / soldering spec.:

| Eigenschaften / properties     | Testbedingungen / test conditions |                 | Wert / value | Einheit / unit | tol.        |
|--------------------------------|-----------------------------------|-----------------|--------------|----------------|-------------|
| Impedanz / impedance           | <b>100 MHz</b>                    | Z               | <b>2200</b>  | Ω              | <b>±25%</b> |
| Max. Impedanz / max. impedance | <b>80 MHz</b>                     | Z               | <b>3000</b>  | Ω              | <b>typ.</b> |
| DC-Widerstand / DC-resistance  |                                   | R <sub>DC</sub> | <b>0,600</b> | Ω              | <b>max.</b> |
| Nennstrom / rated current      |                                   | I <sub>DC</sub> | <b>200</b>   | mA             | <b>max.</b> |
|                                |                                   |                 |              |                |             |



## D Prüfgeräte / test equipment:

## E Testbedingungen / test conditions:

**HP 4396B / HP 16192A** für/for Z und/and material  
**HP 34401 A** für/for R<sub>DC</sub> und/and IDC

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

## F Werkstoffe & Zulassungen / material & approvals:

## G Eigenschaften / general specifications:

Basismaterial / base material: Ferrit / ferrite

Lagertemperatur / storage temperature: -20°C - + 60°C  
 Betriebstemp. / operating temperature: -55°C - +125°C

|                                     |                          |      |                                |              |
|-------------------------------------|--------------------------|------|--------------------------------|--------------|
| Freigabe erteilt / general release: | <b>Kunde / customer</b>  |      |                                |              |
|                                     |                          |      |                                |              |
| Datum / date                        | Unterschrift / signature | SSt  | Update                         | 05-12-16     |
|                                     | <b>Würth Elektronik</b>  | SST  | RoHS Update                    | 04-10-11     |
|                                     |                          | LF   | Update 2GHz                    | 04-01-14     |
|                                     |                          | JH   | Neugestaltung                  | 00-12-06     |
| Geprüft / checked                   | Kontrolliert / approved  | Name | <b>Änderung / modification</b> | Datum / date |

### Würth Elektronik eiSos GmbH & Co. KG

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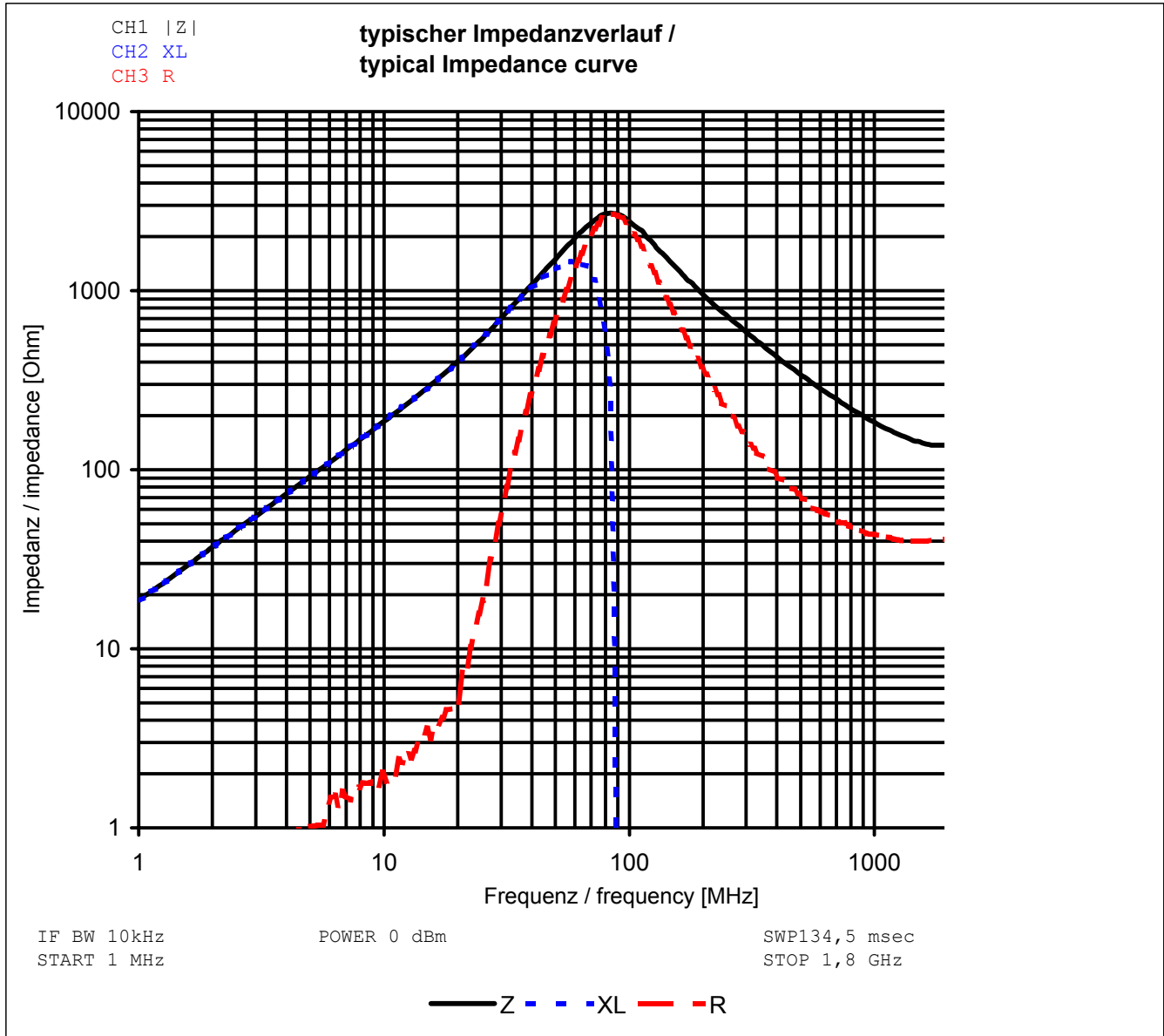
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## H Impedanzverlauf / impedance curve:



|                                     |                         |                          |                         |              |
|-------------------------------------|-------------------------|--------------------------|-------------------------|--------------|
| Freigabe erteilt / general release: | <b>Kunde / customer</b> |                          |                         |              |
|                                     | Datum / date            | Unterschrift / signature | SSt                     | Update       |
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|                                     |                         | LF                       | Update 2GHz             | 04-01-14     |
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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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