

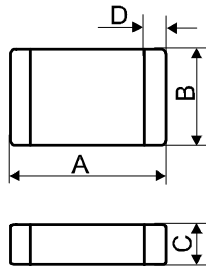
# Spezifikation für Freigabe / specification for release

Kunde / customer : \_\_\_\_\_  
 Artikelnummer / part number : **742792312**  
 Bezeichnung : **Multilayer-SMD-Ferrit**  
 description : **Multilayer-SMD-Ferrite**



DATUM / DATE : 2005-12-20

## A Mechanische Abmessungen / dimensions:

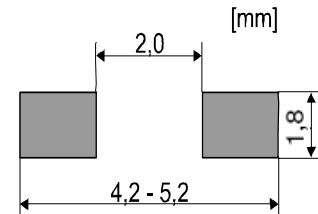


|   | Größe / size 1210 |    |
|---|-------------------|----|
| A | <b>3,2 ± 0,2</b>  | mm |
| B | <b>2,5 ± 0,2</b>  | mm |
| C | <b>1,3 ± 0,2</b>  | mm |
| D | <b>0,5 ± 0,3</b>  | mm |
|   |                   |    |
|   |                   |    |
|   |                   |    |

## B Elektrische Eigenschaften / electrical properties:

| Eigenschaften / properties     | Testbedingungen / test conditions |                 | Wert / value | Einheit / unit | tol.        |
|--------------------------------|-----------------------------------|-----------------|--------------|----------------|-------------|
| Impedanz / impedance           | <b>100 MHz</b>                    | Z               | <b>65</b>    | Ω              | <b>±25%</b> |
| Max. Impedanz / max. impedance | <b>1000 MHz</b>                   | Z               | <b>110</b>   | Ω              | <b>typ.</b> |
| DC-Widerstand / DC-resistance  |                                   | R <sub>DC</sub> | <b>0,03</b>  | Ω              | <b>max.</b> |
| Nennstrom / rated current      |                                   | I <sub>DC</sub> | <b>3000</b>  | mA             | <b>max.</b> |
|                                |                                   |                 |              |                |             |

## C Lötpad / soldering spec.:



## D Prüfgeräte / test equipment:

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

## E Testbedingungen / test conditions:

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

## F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: Ferrit / ferrite

## G Eigenschaften / general specifications:

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

|                                     |                          |      |                                      |
|-------------------------------------|--------------------------|------|--------------------------------------|
| Freigabe erteilt / general release: | <b>Kunde / customer</b>  |      |                                      |
|                                     |                          |      |                                      |
| .....                               |                          | SKle | Update soldering spec 07-11-26       |
| Datum / date                        | Unterschrift / signature | SSt  | Update 05-12-20                      |
|                                     | <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 | Änderung / modification Datum / date |

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

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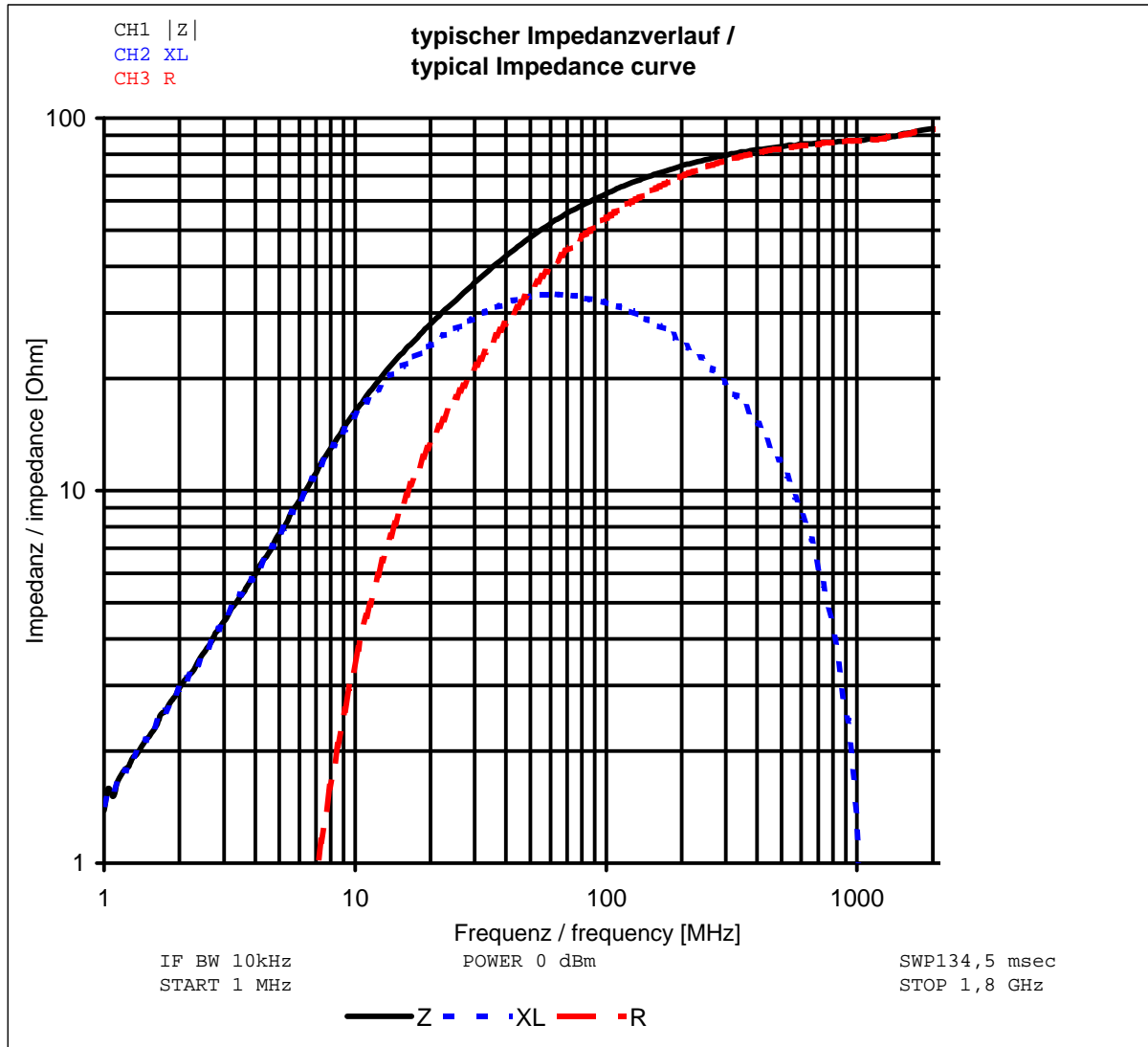
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## H Impedanzverlauf / impedance curve:



|                                     |                          |   |
|-------------------------------------|--------------------------|---|
| Freigabe erteilt / general release: | <b>Kunde / customer</b>  |   |
| .....                               | .....                    | SKle Update soldering spec 07-11-26       |
| Datum / date                        | Unterschrift / signature | SSt Update 05-12-20                       |
| .....                               | <b>Würth Elektronik</b>  | SST RoHS Update 04-10-11                  |
| .....                               | .....                    | LF Update 2GHz 04-01-14                   |
| Geprüft / checked                   | Kontrolliert / approved  | JH Neugestaltung 00-12-06                 |
| .....                               | .....                    | 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.

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