

# Spezifikation für Freigabe / specification for release

Kunde / customer : \_\_\_\_\_

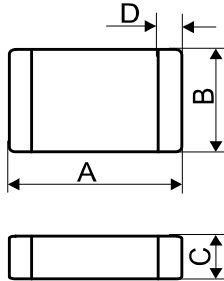
Artikelnummer / part number : **742792604**



Bezeichnung : **Multilayer-SMD-Ferrit**  
 description : **Multilayer-SMD-Ferrite**

DATUM / DATE : 2007-02-01

## A Mechanische Abmessungen / dimensions:

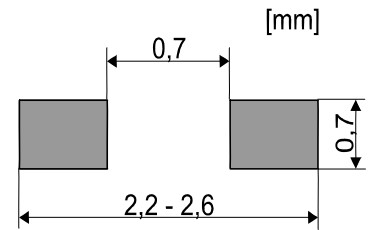


	Größe / size 0603	
A	<b>1,6 ± 0,2</b>	mm
B	<b>0,8 ± 0,2</b>	mm
C	<b>0,8 ± 0,2</b>	mm
D	<b>0,3 ± 0,2</b>	mm

## B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Impedanz / impedance	<b>100 MHz</b>	Z	<b>22</b>	$\Omega$	<b>±25%</b>
Max. Impedanz / max. impedance	<b>1000 MHz</b>	Z	<b>40</b>	$\Omega$	<b>typ.</b>
DC-Widerstand / DC-resistance		R <sub>DC</sub>	<b>0,05</b>	$\Omega$	<b>max.</b>
Nennstrom / rated current		I <sub>DC</sub>	<b>1000</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:		Kunde / customer			
.....		.....			
Datum / date	.....	Unterschrift / signature		Skle	Version 5
.....		.....		SSt	Update
		<b>Würth Elektronik</b>		SST	RoHS Update
.....		.....		LF	Update 2GHz
Geprüft / checked		Kontrolliert / approved		JH	Neugestaltung
				Name	Änderung / modification
					Datum / date

**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>

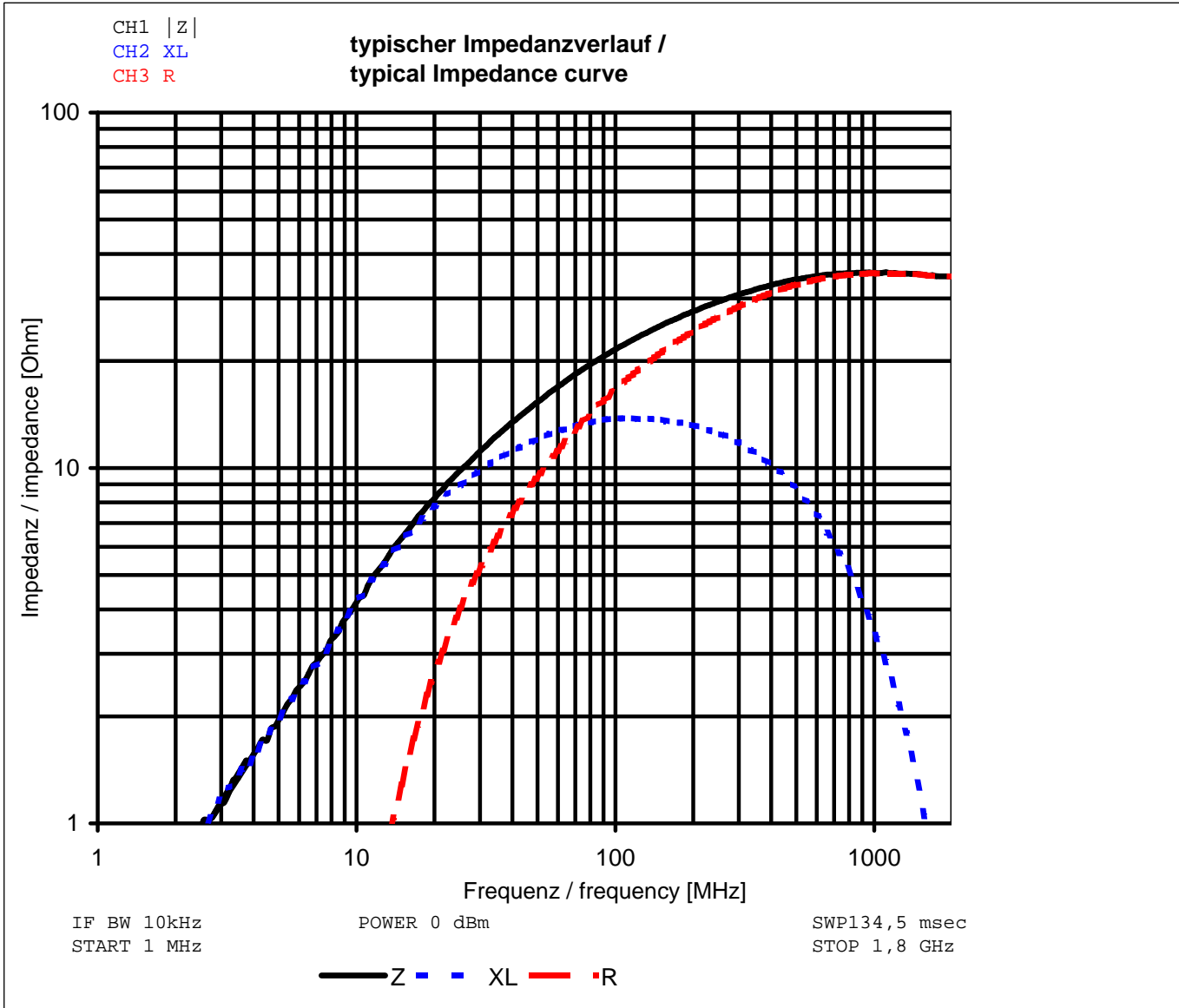
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## H typischer Impedanzverlauf / typical impedance curve:



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Datum / date	Unterschrift / signature	Skle	Version 5	07-02-01
	<b>Würth Elektronik</b>	SSt	Update	05-12-16
Geprüft / checked	Kontrolliert / approved	SST	RoHS Update	04-10-11
		LF	Update 2GHz	04-01-14
		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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