

# Spezifikation für Freigabe / specification for release

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

Artikelnummer / part number : **742861210**

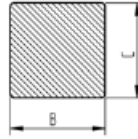
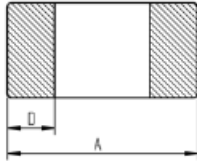


Bezeichnung : **Multilayer-SMD-Ferrit WE-CBF HF (HighFrequency)**

description : **Multilayer-SMD-Ferrit WE-CBF HF (HighFrequency)**

DATUM / DATE : 2009-08-13

## A Mechanische Abmessungen / dimensions:

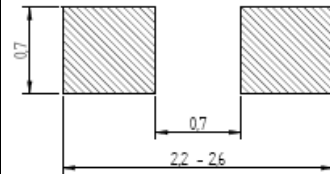


	Größe / size 0603	
A	<b>1.6 ± 0.15</b>	mm
B	<b>0.8 ± 0.15</b>	mm
C	<b>0.8 ± 0.15</b>	mm
D	<b>0.3 ± 0.2</b>	mm

## B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Impedanz / impedance	<b>100 MHz</b>	Z	<b>1000</b>	Ω	<b>±25%</b>
Impedanz / impedance	<b>1 GHz</b>	Z	<b>1100</b>	Ω	<b>min.</b>
Max. Impedanz / max. impedance	<b>550 MHz</b>	Z	<b>2200</b>	Ω	<b>typ.</b>
DC-Widerstand / DC-resistance	<b>@ 20°C</b>	R <sub>DC</sub>	<b>1.8</b>	Ω	<b>max.</b>
Nennstrom / rated current	<b>ΔT=20 K</b>	I <sub>DC</sub>	<b>50</b>	mA	<b>max.</b>

## C Lötpad / soldering spec.:



## D Prüfgeräte / test equipment:

**Agilent E4991A / Agilent 16197A** für/for Z und/and material  
**GMC 271** für/for R<sub>DC</sub>

## E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity: 33%  
 Umgebungstemperatur / ambient temp.: + 20°C

## F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: Ferrit / ferrite

## G Eigenschaften / general specifications:

.....  
 Betriebstemp. / operating temperature: -55°C - +125°C  
 .....  
 Lagertemperatur der Rollen vor Verarbeitung /  
 storage temperature of Tape & Reel bevor mounting:  
 -20°C - + 60°C

Freigabe erteilt / general release:	Kunde / customer				
.....					
Datum / date	Unterschrift / signature				
	Würth Elektronik				
.....					
Geprüft / checked	Kontrolliert / approved		SMu	Version 2	09-08-13
			SMU	Version 1	09-01-15
			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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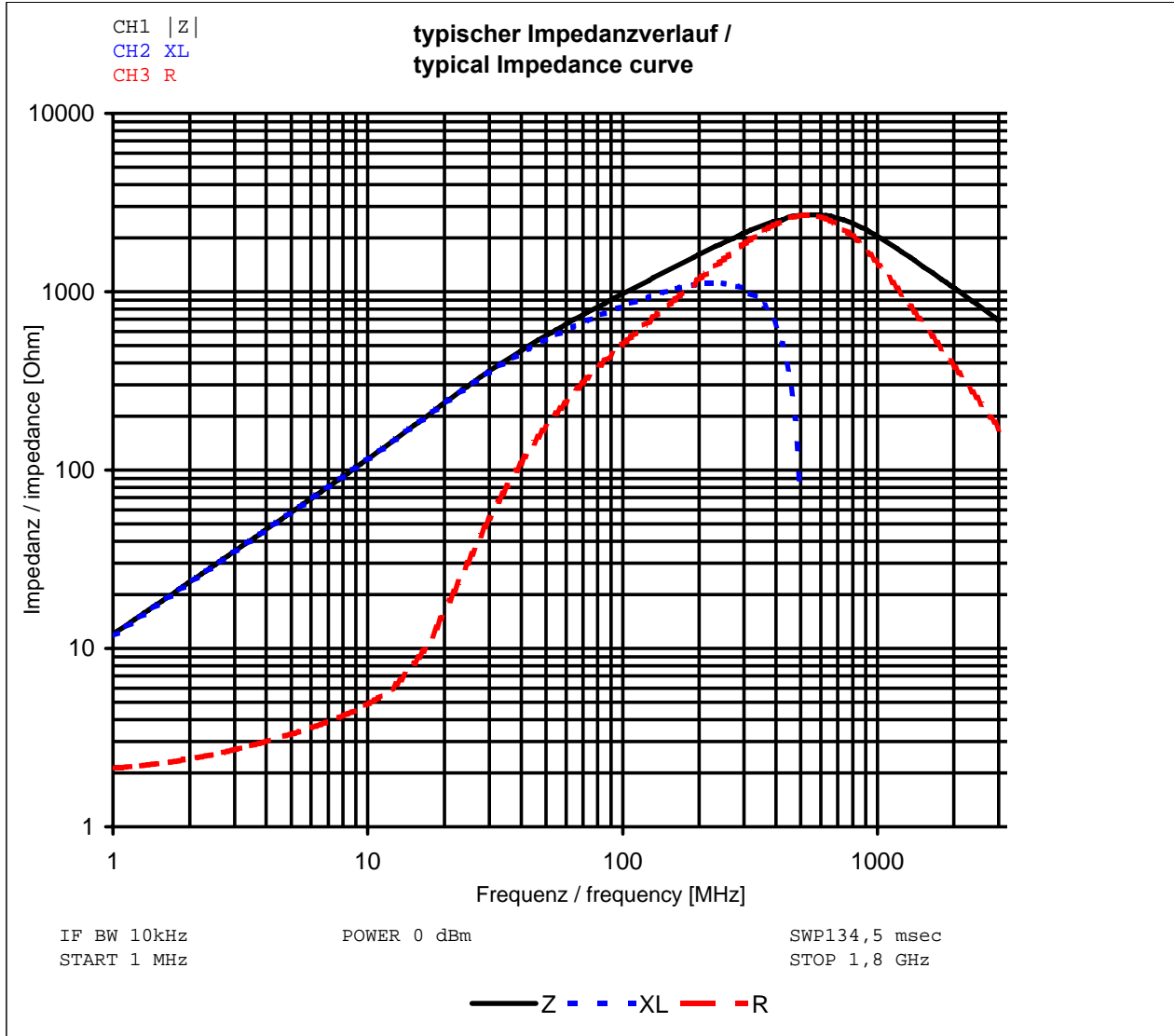


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## H Impedanzverlauf / impedance curve:



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## I Rollenspezifikation / Tape & Reel specification :

Die Verpackung ist bezogen auf die internationale Norm IEC 60286 -3:2007

Packaging is referred to the international standard IEC 60286 -3:2007

Bauform / size	Gurt Material / tape material	Bandbreite / band width	VPE	Teilenummer/ Part no.
0603	paper	8mm	4000	742 86x xxx

## J Lötprofil / Solder specification :

Refer to the Würth Elektronik eiSos STANDARD REFLOW SOLDER PROFILE

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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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