

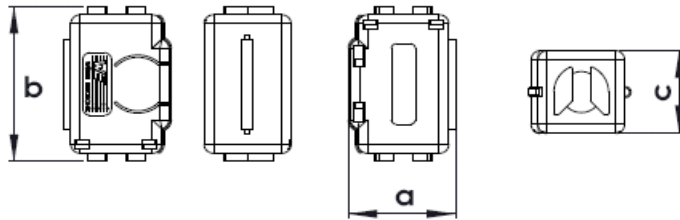
# Spezifikation für Freigabe / specification for release

Kunde / customer : \_\_\_\_\_  
 Artikelnummer / part number : **74271833**  
 Bezeichnung : **STAR-GAP mit def. Luftspalt und Sicherheitsverschluss**  
 description : **STAR-GAP with defined air gap and Safety Lock**



DATUM / DATE : 2007-01-22

## A Mechanische Abmessungen / dimensions:



a	<b>21,7 typ</b>	mm
b	<b>35,1 typ.</b>	mm
c	<b>19,0 typ.</b>	mm
definierter Luftspalt / defined airgap		
d	<b>0,5</b>	mm
für Kabeldurchmesser / for cable diameter		
Ø	<b>4,5 ~ 8,0</b>	mm

## B Elektrische Eigenschaften / electrical properties:

## C Bild / picture:

Eigenschaften / properties	Testbedingungen / test conditions		1 Windung / 1 turn	2 Windungen / 2 turns	Einheit / unit	Tol.
Impedanz @ 4396B	<b>25 MHz</b>	Z	<b>30</b>	<b>115</b>	Ω	± 25%
Impedance @ 4396B						
Impedanz @ 4396B	<b>100 MHz</b>	Z	<b>113</b>	<b>540</b>	Ω	± 25%
Impedance @ 4396B						
Impedanz @ 360B	<b>200 MHz</b>	Z	<b>180</b>	<b>960</b>	Ω	± 25%
Impedance @ 360B						
Impedanz @ 360B	<b>300 MHz</b>	Z	<b>250</b>	<b>1.760</b>	Ω	± 25%
Impedance @ 360B						
Impedanz @ 360B	<b>500 MHz</b>	Z	<b>370</b>	<b>1.700</b>	Ω	± 25%
Impedance @ 360B						



## D Prüfgeräte / test equipment:

## E Testbedingungen / test conditions:

**Agilent** 4396 B und/and 16092A fixture für/for Z bis/till 100MHz  
**AWG26** - Ø 0,5mm - Länge/length: 165 mm  
**Wiltron** 360B and 3622A from 100Mhz to 1,5GHz  
 Effects of test fixture and connecting line are compensated by **FEKO** - based on the method of moments (MoM)

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

## F Werkstoffe & Zulassungen / material & approvals:

## G Eigenschaften / general specifications:

Basismaterial / base material: 4 W 620  
 Kunststoff / plastic material: PA 66 / 6  
 UL-Zulassungen / UL-approval: UL94-V0 / E53898  
 Farbe / colour: elektrograu / electronic grey

Curietemperatur / curie temperature: + 150°C  
 Gewicht / weight: 31g typ.  
 Lagertemperatur / storage temperature: -40°C ~ + 85°C  
 Betriebstemp. / operating temperature: -25°C ~ +105°C

Freigabe erteilt / general release:	<b>Kunde / customer</b>		
	Unterschrift / signature		
Datum / date	<b>Würth Elektronik</b>		
	Kontrolliert / approved		
	SMU	Neugestaltung	07-01-22
Geprüft / checked	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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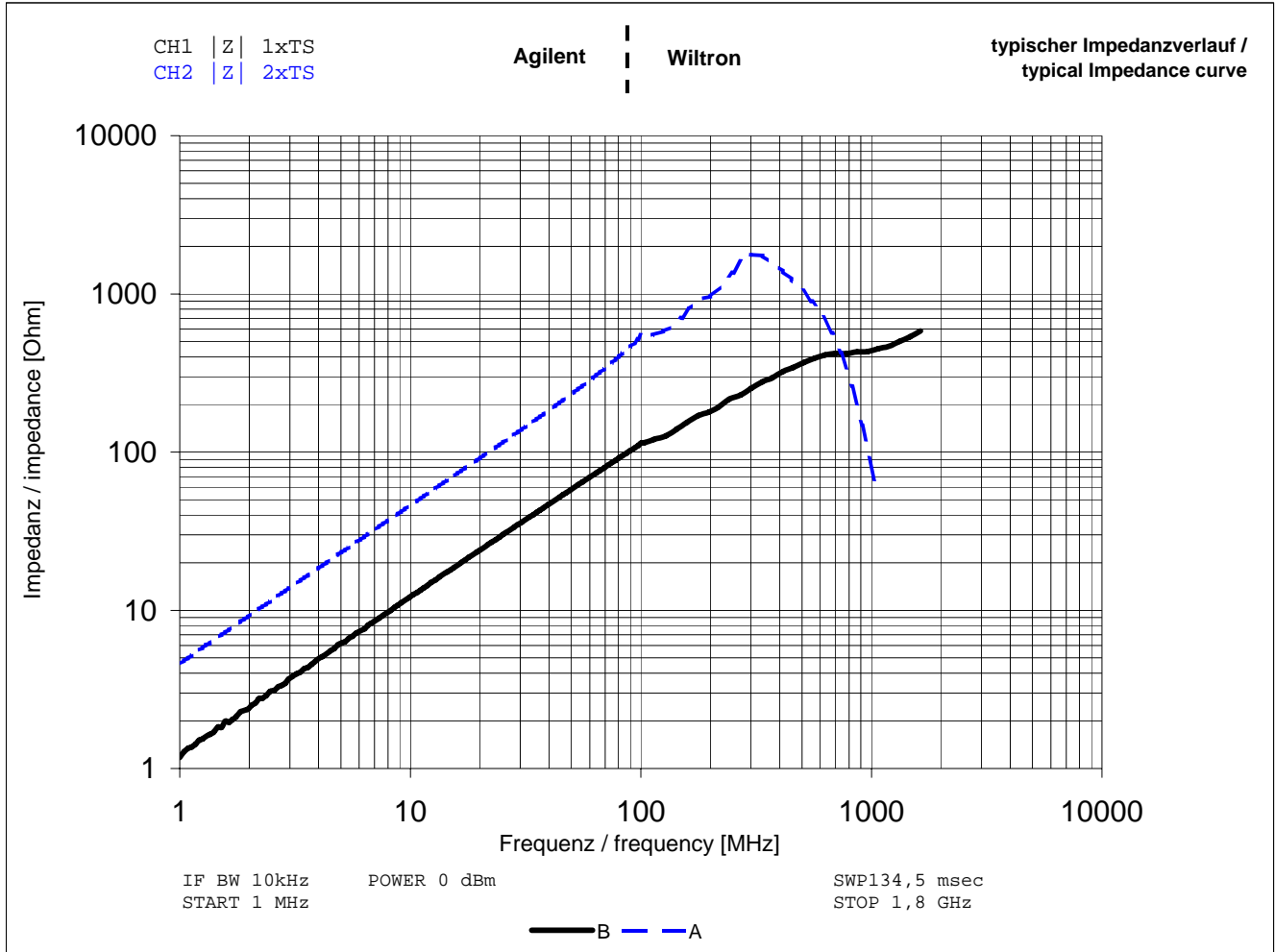
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## H Impedanzverlauf / impedance curve:



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

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

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Datum / date	Unterschrift / signature							
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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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