

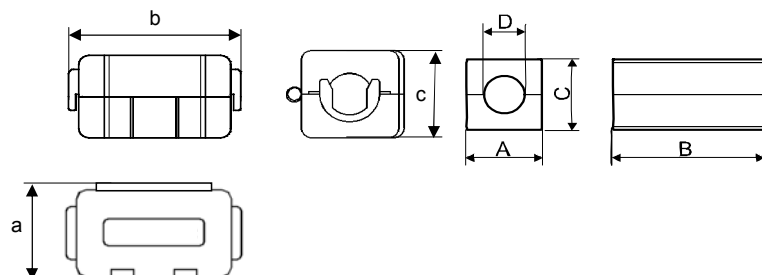
Spezifikation für Freigabe / specification for release

Kunde / customer : _____
 Artikelnummer / part number : **74271612S** **LF**
 Bezeichnung : **STAR-GAP mit def. Luftspalt und Sicherheitsverschluß**
 description : **STAR-GAP with defined air gap and Safety Lock**



DATUM / DATE : 2004-10-11

A Mechanische Abmessungen / dimensions:



	0,8 mm airgap	
a	21,5	mm
b	35,5	mm
c	18,3	mm
A	15,0	mm
B	28,5	mm
C	15,0	mm
D	6,6	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		1 Windung / 1 turn	2 Windungen / 2 turns	Einheit / unit	Tol.
Impedanz @ 4396B Impedance @ 4396B	25 MHz	Z	30	110	Ω	± 25%
Impedanz @ 4396B Impedance @ 4396B	100 MHz	Z	120	560	Ω	± 25%
Impedanz @ 360B Impedance @ 360B	200 MHz	Z	190	1.160	Ω	± 25%
Impedanz @ 360B Impedance @ 360B	300 MHz	Z	280	2.200	Ω	± 25%
Impedanz @ 360B Impedance @ 360B	500 MHz	Z	420	900	Ω	± 25%

C Bild / picture:



D Prüfgeräte / test equipment:

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)

E Testbedingungen / test conditions:

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

F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: 4 W 620
 Kunststoff / plastic material: PA 6
 UL-Zulassungen / UL-approval: UL94-V0 / E76261 (M)

G Eigenschaften / general specifications:

Curietemperatur / curie temperature: + 150°C
 für Kabeldurchmesser / for cable diameter: 4,5 - 6 mm
 Lagertemperatur / storage temperature: -40°C ~ + 85°C
 Betriebstemp. / operating temperature: -25°C ~ +105°C

Freigabe erteilt / general release:	Kunde / customer			
Datum / date	Unterschrift / signature			
	Würth Elektronik			
		LF	RoHS update	04-10-11
		LF	Neugestaltung	03-09-15
Geprüft / checked	Kontrolliert / approved	Name	Änderung / modification	Datum / date

Würth Elektronik eiSos GmbH & Co. KG

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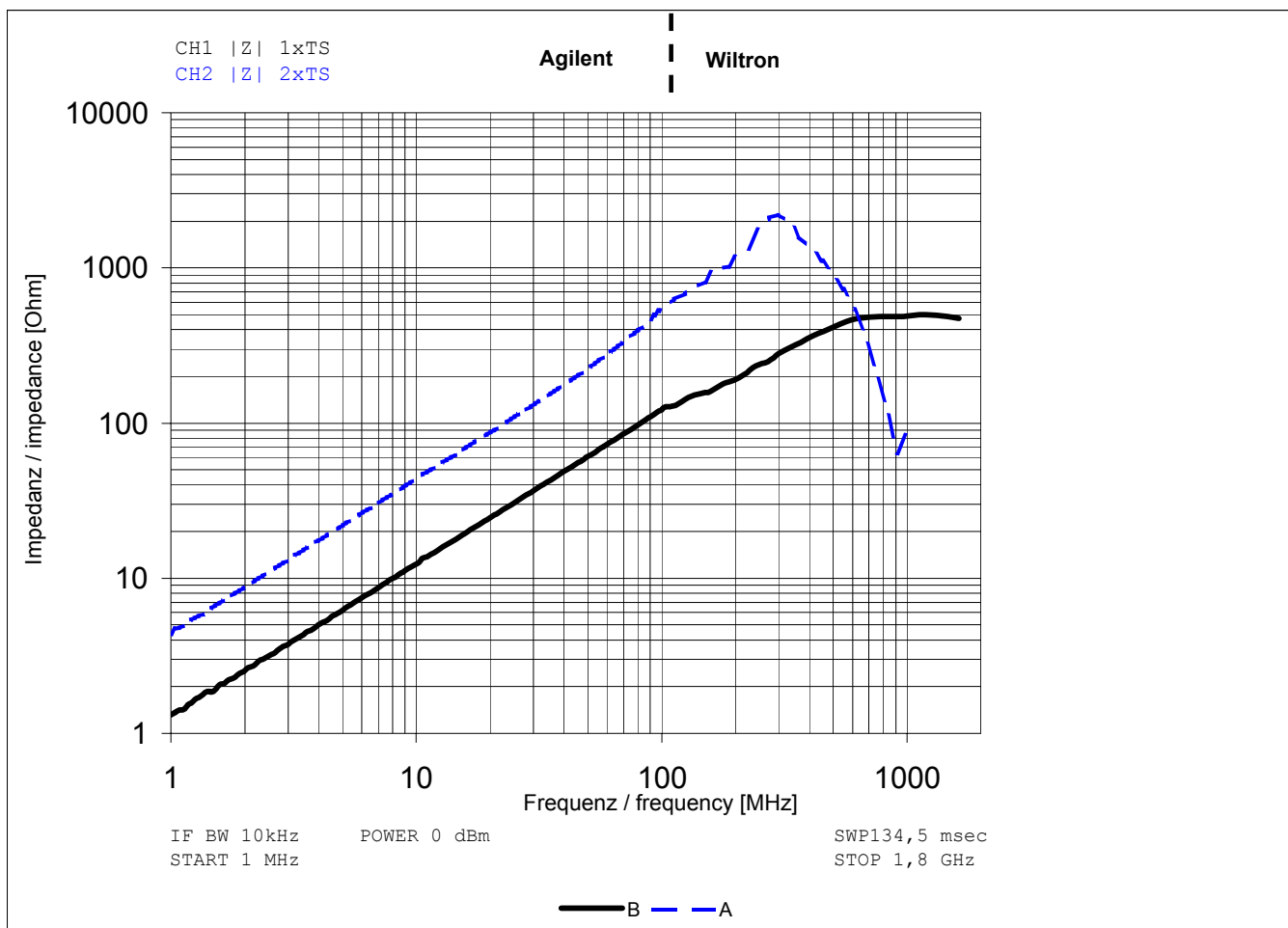
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H Impedanzverlauf / impedance curve:



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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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 consider when to install a protective circuit at the design stage.

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