

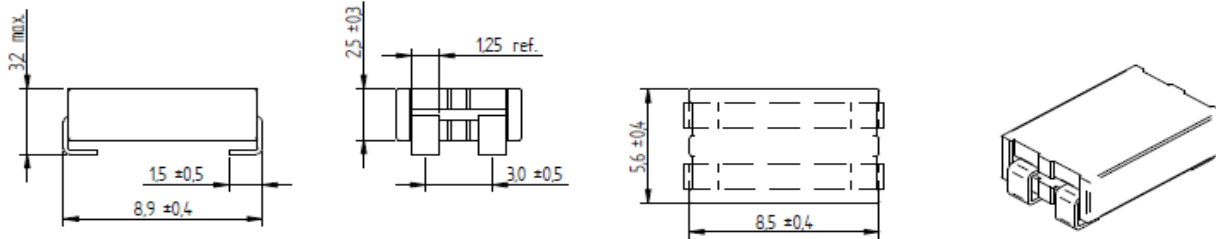
# Spezifikation für Freigabe / specification for release

Kunde / customer : \_\_\_\_\_  
 Artikelnummer / part number : **7427521**  
 Bezeichnung : **STROMKOMPENSIERTER SMD FERRIT WE-CMS**  
 description : **COMMON MODE SMD BEAD WE-CMS**



DATUM / DATE : 2010-07-23

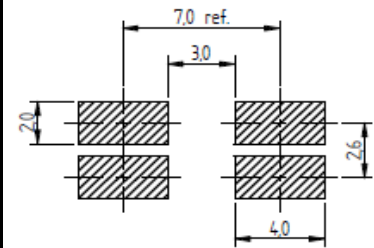
## A Mechanische Abmessungen / dimensions:



## B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingung n / test		Wert / value	Einheit / unit	tol.
Impedanz @ 2 x 1 Wg./ impedance @ 2 x 1 turn	25 MHz	Z	34	Ω	±25%
Impedanz @ 2 x 1 Wg./ impedance @ 2 x 1 turn	100 MHz	Z	52	Ω	±25%
Impedanz @ 1 x 2 Wg./ impedance @ 1 x 2 turn	25 MHz	Z	136	Ω	±25%
Impedanz @ 1 x 2 Wg./ impedance @ 1 x 2 turn	100 MHz	Z	211	Ω	±25%
Nennstrom / Rated Current		I <sub>DC</sub>	5	A	max.
DC-Widerstand / DC-resistance		R <sub>DC</sub>	3	mΩ	max.

## C Lötpad / soldering spec.:



## D Prüfgeräte / test equipment:

**E4991A** 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: 5W300  
 Draht / wire: Φ0.2 T.C.W\*1.25\*14mm

## G Eigenschaften / general specifications:

Curietemperatur / curie temperature: > 140°C  
 Betriebstemp. / operating temperature: -55°C - +125°C  
 Lagertemperatur / storage temperature: -20°C - + 60°C\*  
 \* vor Verarbeitung

Freigabe erteilt / general release:	Kunde / customer			
Datum / date	Unterschrift / signature			
	Würth Elektronik			
			SMu	Version 8
			SFr	Neugestaltung
			Name	Änderung / modification
				Datum / date
Gepüft / checked	Kontrolliert / approved			

### 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  
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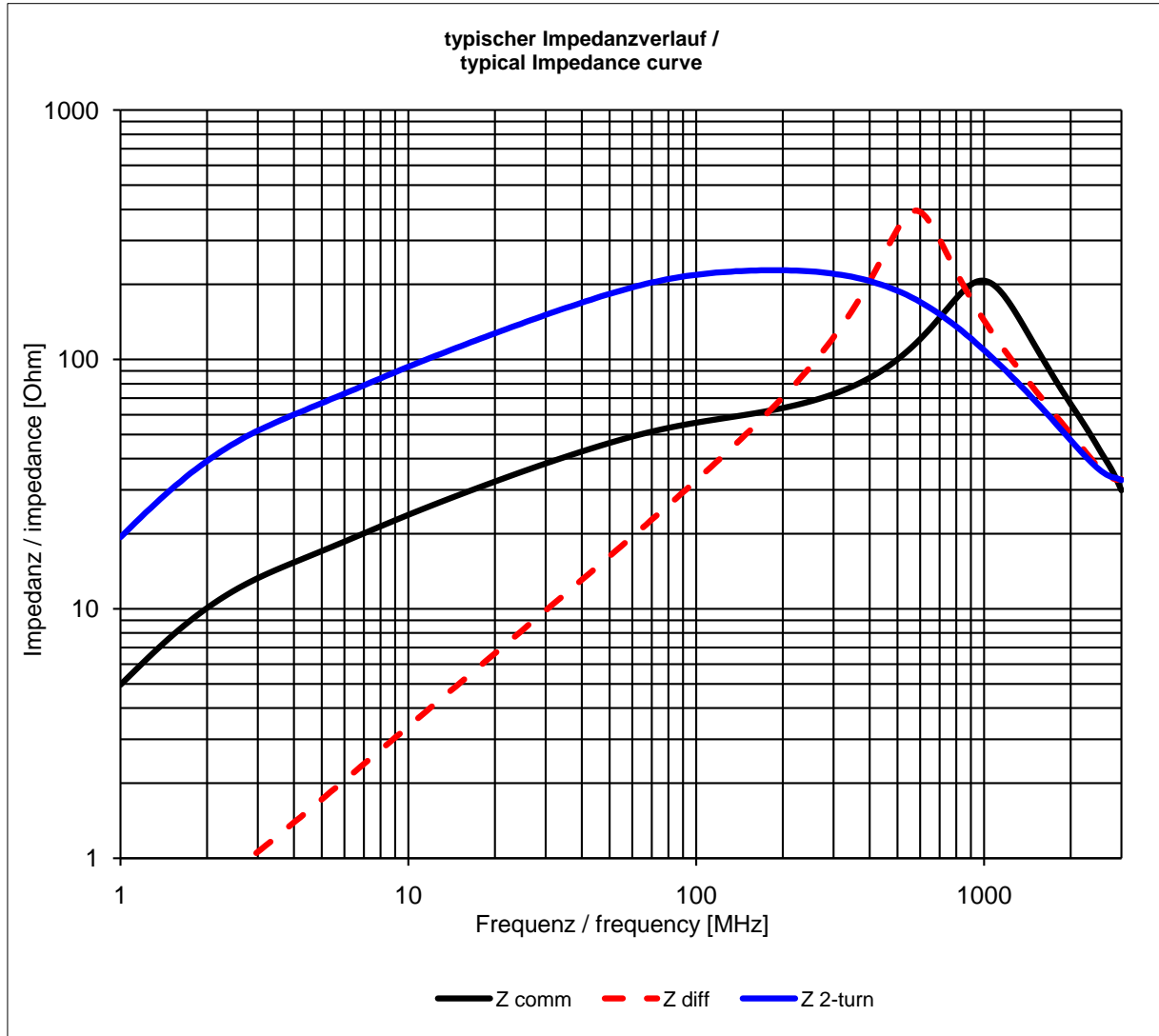
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**WÜRTH ELEKTRONIK**

DATUM / DATE : 2010-07-23

## H Impedanzverlauf / impedance curve:



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Geprüft / checked	Kontrolliert / approved	SMu	Version 8	10-07-23
		SFr	Neugestaltung	03-02-25
		Name	Änderung / modification	Datum / date

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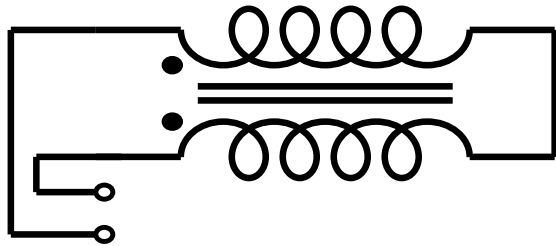
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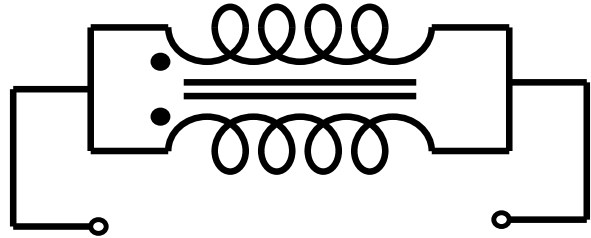
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## H Schaltungslayout / schematic:

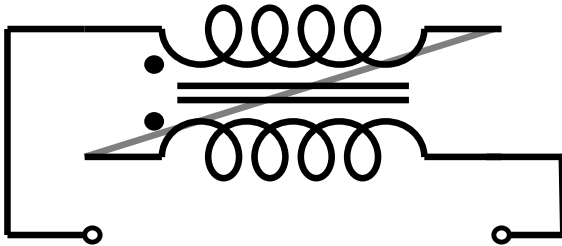
**Differential Mode**



**Common Mode**



**2 Turns**



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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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