

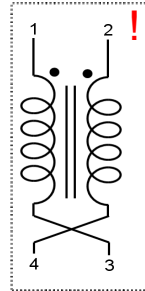
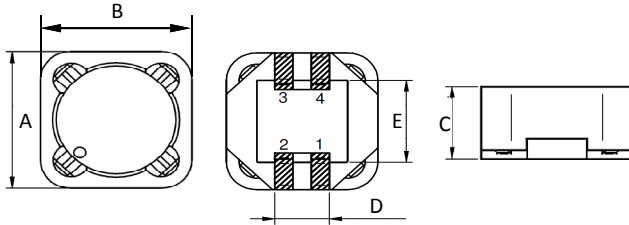
# Spezifikation für Freigabe / specification for release

Kunde / customer :  
 Artikelnummer / part number : **744282101**  
 Bezeichnung : **Stromkompensierter SMD Line Filter WE-SCC**  
 description : **common mode SMD line filter WE-SCC**



DATUM / DATE : 2011-02-28

## A Mechanische Abmessungen / dimensions:

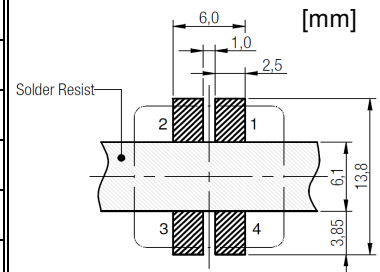


size :	1260	
A	12,5 max.	mm
B	12,5 max.	mm
C	6,5 max.	mm
D	4,9 ± 0,2	mm
E	7,3 ± 0,5	mm

## B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	100 mV / 100 kHz	L <sub>1-2</sub> ; L <sub>3-4</sub>	100	µH	± 20 %
DC-Widerstand / DC-resistance	@ 20 °C	R <sub>DC</sub>	0,280	Ω	max.
Nennstrom / rated current	ΔT = 40 K	I <sub>DC</sub>	900	mA	max.
Impedanz / impedance		Z <sub>comm</sub>	40000	Ω	max.
Nennspannung / rated voltage		U <sub>DC</sub> / U <sub>AC</sub>	80 / 42	V <sub>DC</sub> / V <sub>AC</sub>	

## C Lötpad / soldering spec.:



## D Prüfgeräte / test equipment:

Agilent E4991A für/for Z  
 GMC Metrahit 271 für/for R<sub>DC</sub> und/and I<sub>DC</sub>  
 Agilent 6032A für/for I<sub>DC</sub>

## 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:

Umgebungstemperatur / ambient temperature: -40 °C - +85 °C  
 Betriebstemperatur / operating temperature: -40 °C - +125 °C

It is recommended that the temperature of the part does not exceed 125 °C under worst case operating conditions.

Freigabe erteilt / general release:	Kunde / customer				
Datum / date	Unterschrift / signature				
	Würth Elektronik				
Geprüft / checked	Kontrolliert / approved		SBa	Version 2	2011-02-28
			SBa	Version 1	2011-02-17
			Name	Änderung / modification	Datum / date

### Würth Elektronik eiSos GmbH & Co. KG

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<http://www.we-online.com>

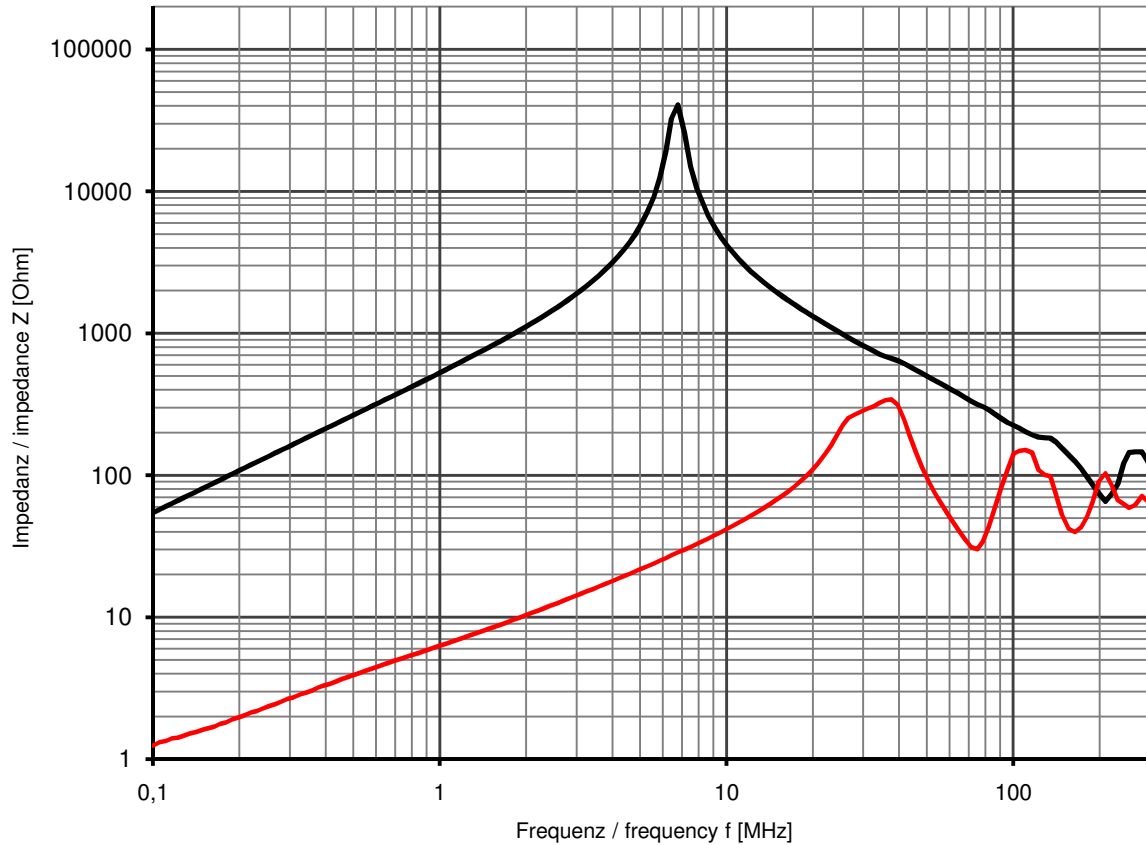
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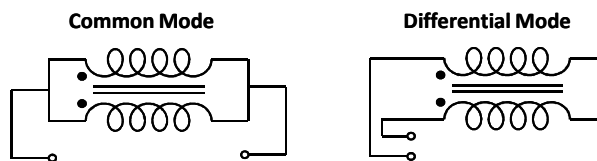


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## H Impedanzverlauf / impedance curve:



— Z(comm)      — Z(diff)



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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

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