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Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **744230900**

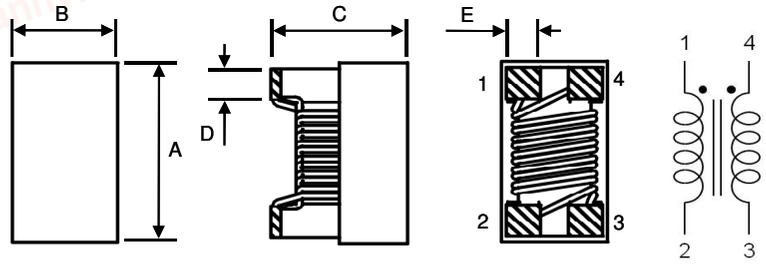
Bezeichnung / description : **SMD Stromkompensierter Datenleitungsfilter WE-CNSW**
SMD common mode noise suppressor WE-CNSW

COMPLIANT RoHS&REACh WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

DATUM / DATE : 2010-09-30

A Mechanische Abmessungen / dimensions:



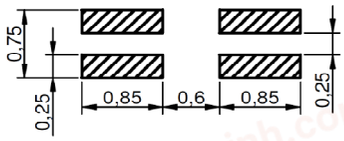
	0603	
A	1,60 ± 0,1	mm
B	0,85 ± 0,1	mm
C	1,10 ± 0,1	mm
D	0,33 ref.	mm
E	0,25 ref.	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Impedanz / impedance	**100 MHz**	Z	**90**	Ω	**± 25 %**
Nennspannung / rated voltage		U_{DC}	**50**	V	**max.**
DC-Widerstand / DC-resistance	**@ 20℃**	R_{DC}	**145**	mΩ	**max.**
Nennstrom / rated current	**ΔT= 40 K**	I_{DC}	**550**	mA	**max.**

C Lötpad / soldering spec.:

[mm]



D Prüfgeräte / test equipment:

Agilent E4991A für/for Z

GMC Metrahit 27I für/for R_{DC} und/and I_{DC}

Agilent 6032A für/for I_{DC}

E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity:	33 %
Umgebungstemperatur / temperature:	+20 ℃

F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material:	Ferrit / Ferrite
Draht / wire:	E180
Anschlussmaterial / Terminal material	Au

G Eigenschaften / general specifications:

Umgebungstemperatur / ambient temperature: -40 ℃ - +65 ℃

Betriebstemp. / operating temperature: -40 ℃ - +105 ℃

It is recommended that the temperature of the part does not exceed 105℃ under worst case operating conditions.

Freigabe erteilt / general release:

Kunde / customer

Datum / date — Unterschrift / signature

Würth Elektronik

Geprüft / checked — Kontrolliert / approved

SBa	Version 1	2010-09-30
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

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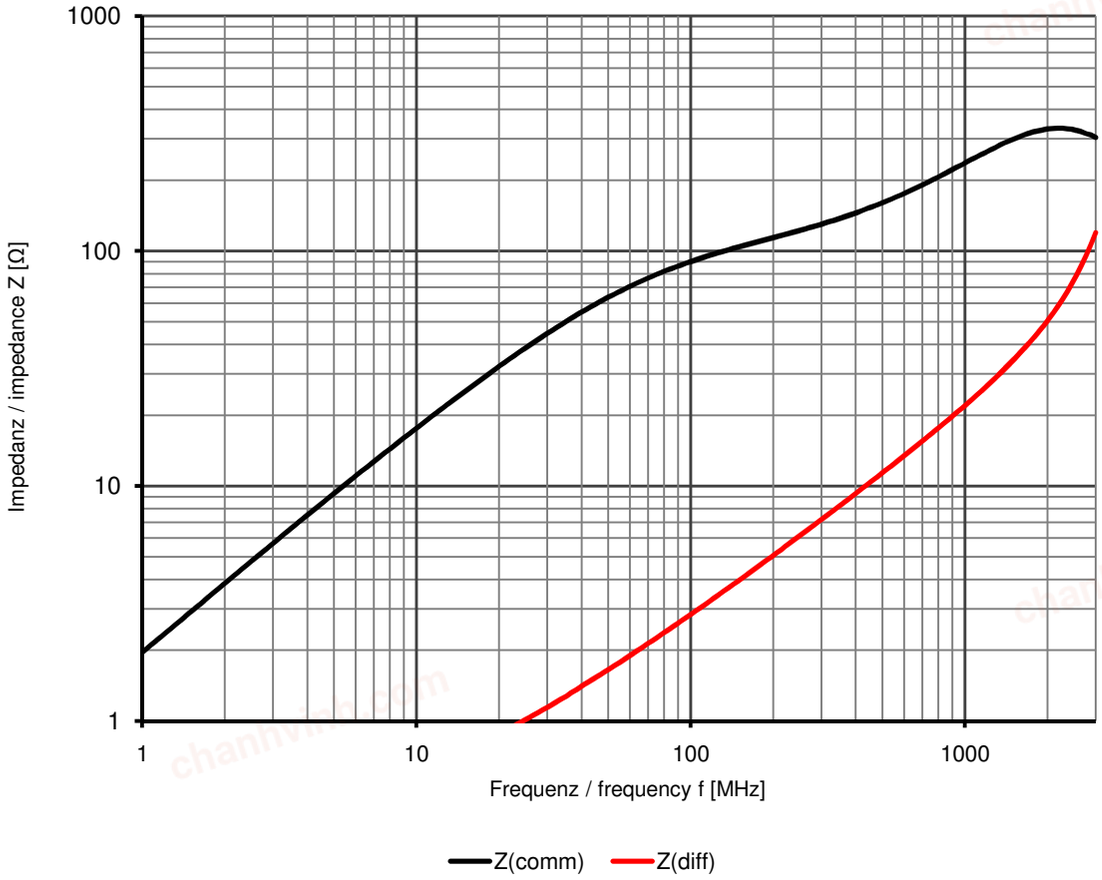
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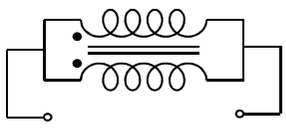
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DATUM / DATE : 2010-09-30

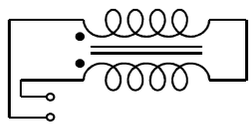
H Impedanzverlauf / impedance curve:



Common Mode



Differential Mode



Freigabe erteilt / general release:	Kunde / customer			
Datum / date	Unterschrift / signature			
	Würth Elektronik			
		SBa	Version 1	2010-09-30
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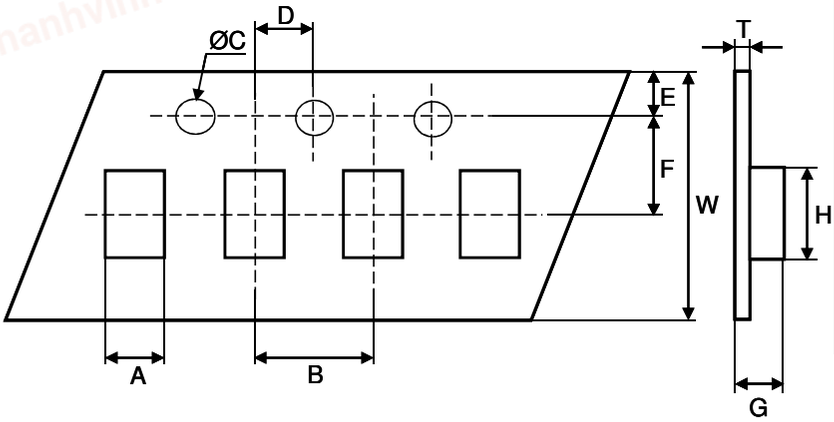
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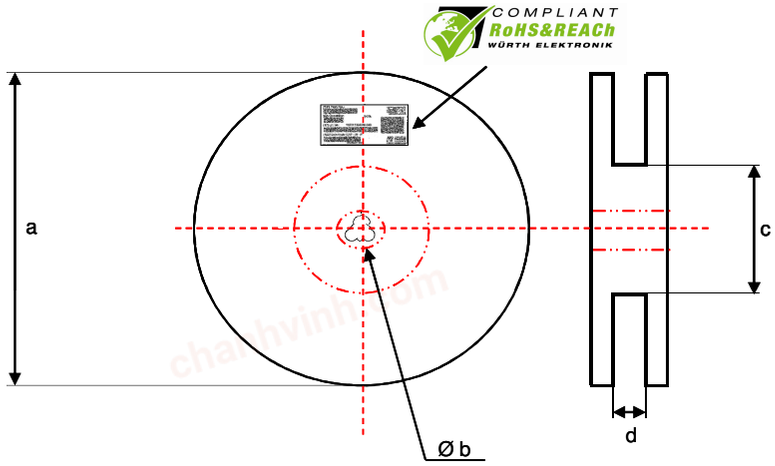
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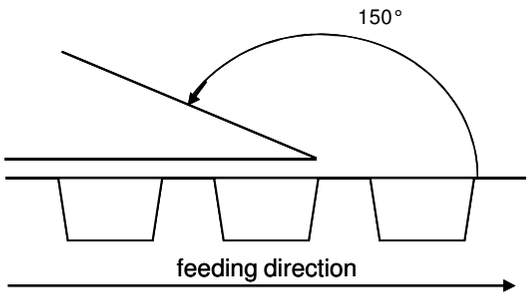
I Rollenspezifikation / tape and reel specifications:



Gurtspezifikation / Tape specification:		
A	**1,05 ± 0,1**	mm
B	**4,00 ± 0,1**	mm
C	**1,50 ± 0,05**	mm
D	**2,00 ± 0,1**	mm
E	**1,75 ± 0,1**	mm
F	**3,50 ± 0,1**	mm
G	**1,15 ± 0,1**	mm
H	**1,85 ± 0,1**	mm
T	**0,23 ± 0,1**	mm
W	**8,00 ± 0,1**	mm



Rollenspezifikation / Reel Specification:		
a	**178,0 ± 0,1**	mm
b	**21,00 ± 0,1**	mm
c	**50,00 ± 0,1**	mm
d	**10,00 ± 0,1**	mm



The force of tearing off cover tape is 0,2 to 0,7 N in arrow direction.

Freigabe erteilt / general release:	**Kunde / customer**
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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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