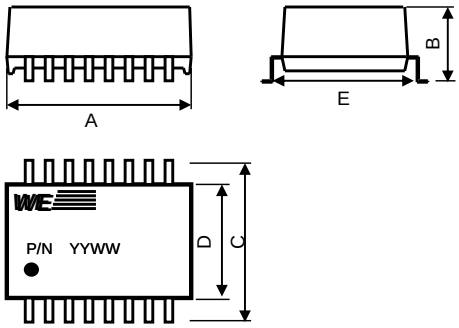
Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : **749010012**

Bezeichnung : **LAN-Übertrager WE-LAN**
description : **LAN-Transformer WE-LAN**

DATUM / DATE : 2010-02-24

A Mechanische Abmessungen / dimensions :



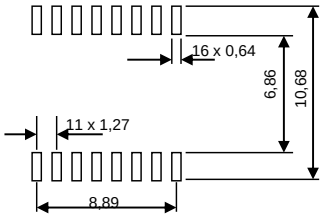
● = Pin 1

	100 BaseT	
A	**12,70 ± 0,25**	mm
B	**5,20 max.**	mm
C	**9,53 max.**	mm
D	**6,85 ± 0,25**	mm
E	**7.9 ± 0,3**	mm

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Indukivität / Inductance	**100kHz / 100mV @ 8mA DC-Bias**	OCL	**350**	µH	**min.**
Übersetzungsverhältnis / Turns ratio	**100kHz / 100mV**	TR	**1 : 1**	Tx	**3%**
			1 : 1	Rx	
Insertion Loss	**1-100MHz**	IL	**-1.1**	dB	**max.**
Return Loss	**1-30MHz @ 100Ω**	RL	**-16**	dB	**min.**
	40MHz @ 100Ω		**-14**		
	50MHz @ 100Ω		**-13**		
	60-80MHz @ 100Ω		**-10**		
Differential to Common Mode Rejection	**30MHz**	DCMR	**-38**	dB	**min.**
	60MHz		**-38**		
	100MHz		**-30**		
Crosstalk	**60MHz**	CT	**-40**	dB	**min.**
	100MHz		**-33**		

C Lötpad / soldering spec. :



D Prüfgeräte / test equipment :

HP4395A

E Testbedingungen / test conditions :

Luftfeuchtigkeit / humidity:	33%
Umgebungstemperatur / temperature:	+25°C

F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material:	Ferrit/ ferrite
Draht / wire:	4UEW 155°C
Kontaktmaterial/ contact plating	Cu-Ni-Sn
Verguss / potting	UL94-V0

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: 0°C - + 70°C
Hochspannungsprüfung / Hipot test: 1500Vrms 1min.
geeignet für 10/100Base-TX gemäß IEEE 802.3u /
Coplanarität / Coplanarity: < 0,1 mm
Compliant with IEEE 802.3u for 10/100Base-TX-Applications
Auto MDIX fähig / Auto MDIX capable

Freigabe erteilt / general release:

Kunde / customer

Datum / date — Unterschrift / signature

Würth Elektronik

Geprüft / checked — Kontrolliert / approved

Name	Änderung / modification	Datum / date
KSc	Version 3	2010-02-24
TBr	Version 2	2008-11-19
TBr	Version 1	2006-09-21

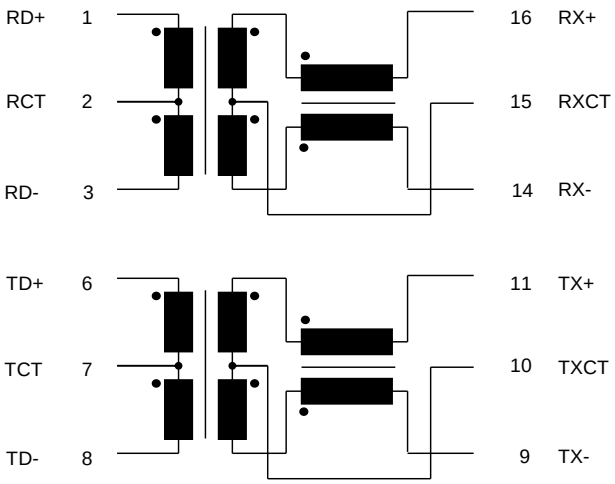
Würth Elektronik eiSos GmbH & Co.KG
D-74638 Waldenburg · Max-Eyth-Straße 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400
http://www.we-online.com

Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : **749010012**
Bezeichnung : **LAN-Übertrager WE-LAN**
description : **LAN-Transformer WE-LAN**

DATUM / DATE : 2010-02-24

H Schaltbild / Schematics :



Freigabe erteilt / general release:	Kunde / customer
Datum / date	Unterschrift / signature
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Geprüft / checked	Kontrolliert / approved

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KSc	Version 3	2010-02-24
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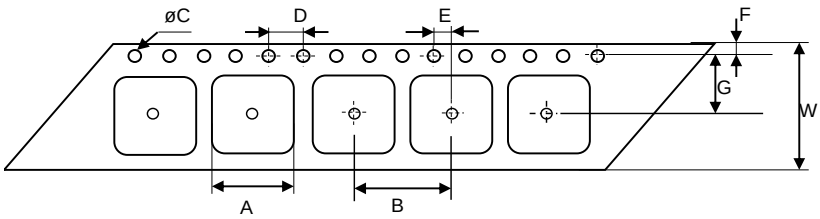
Spezifikation für Freigabe / specification for release

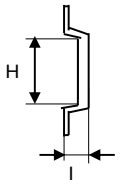
Kunde / customer :
Artikelnummer / part number : **749010012**

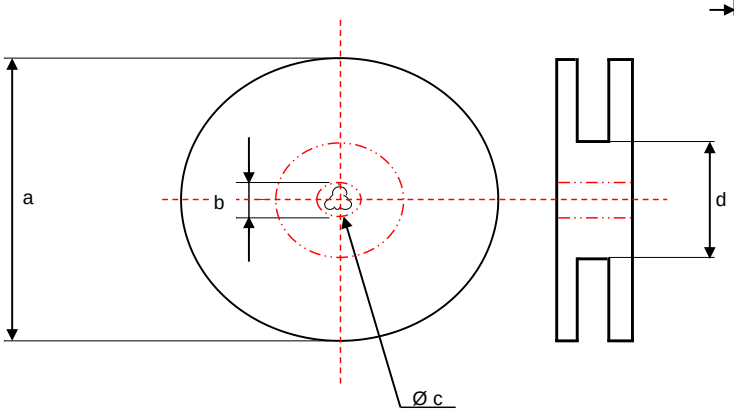
Bezeichnung : **LAN-Übertrager WE-LAN**
description : **LAN-Transformer WE-LAN**

DATUM / DATE : 2010-02-24

I Rollenspezifikation / tape and reel specification :

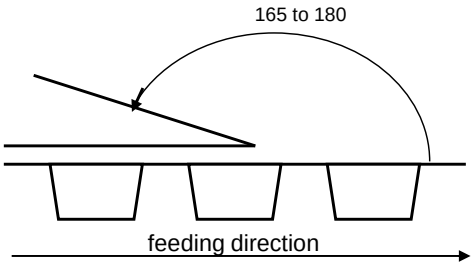






Gurtspezifikation / Tape specification:		
A	**9,8 ± 0,1**	mm
B	**12,0 ± 0,1**	mm
C	**1,50** $^{+0.1}_{-0.0}$	mm
D	**4,00 ± 0,1**	mm
E	**2,00 ± 0,1**	mm
F	**1,75 ± 0,1**	mm
G	**11,5 ± 0,1**	mm
H	**13 ± 0,1**	mm
I	**6,8 ± 0,1**	mm
W	**24,0 ± 0,2**	mm

Rollenspezifikation / Reel specification:		
a	**330,0 ± 2,0**	mm
b	**21,00 ± 0,8**	mm
c	**13,50 ± 0,5**	mm
d	**100,0 ± 1,0**	mm



The force for tearing off cover tape is
10 to 130 grams in arrow direction

Freigabe erteilt / general release:	**Kunde / customer**
Datum / date	Unterschrift / signature
	Würth Elektronik
Geprüft / checked	Kontrolliert / approved

KSc	Version 3	2010-02-24
TBr	Version 2	2008-11-19
TBr	Version 1	2006-09-21
Name	**Änderung / modification**	Datum / date

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, nudear 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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