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Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : **749050010U**

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

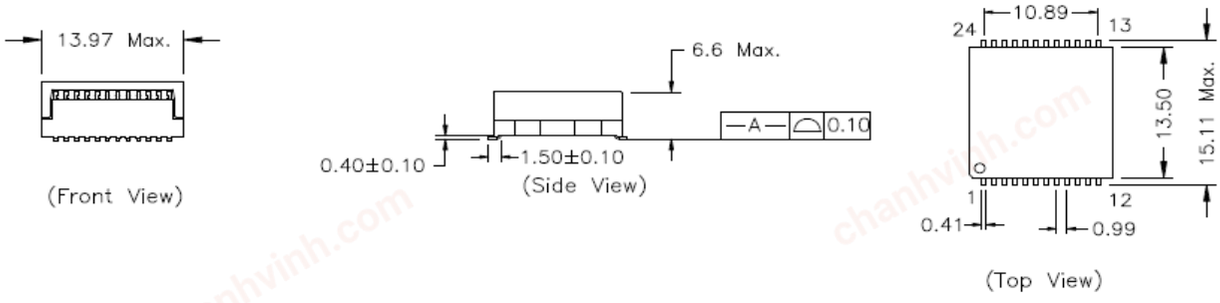
compliant RoHS WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

DATUM / DATE : 2015-02-13

A Mechanische Abmessungen / dimensions :

10G BaseT

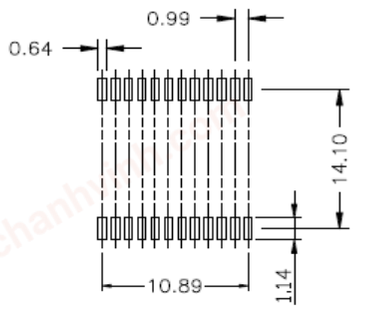


○ = Pin 1

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / Inductance	**100kHz / 100mV @ 0V DC-Bias**	OCL	**200**	µH	**min.**
Übersetzungsverhältnis / Turns ratio	**100kHz / 100mV**	TR			
Insertion Loss	**100k-10MHz**	IL	**-1,0**	dB	**min.**
	100k-650MHz		**-3,0**		
Return Loss	**1-40MHz**	RL	**-18,0**	dB	**min.**
	40-400MHz		**-10,0**		
	400-500MHz		**-8,0**		
	500-600MHz		**-5,0**		
Common Mode Rejection	**1-250MHz**	CMR	**-30**	dB	**min.**
	250-500MHz		**-22**		
Crosstalk	**1-100MHz**	CT	**-40**	dB	**min.**
	100-500MHz	CT	**-30**	dB	**min.**

C Lötpad / soldering spec. :



(SUGGESTED PCB PAD LAYOUT)

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:	
Kontaktmaterial/ contact plating	Cu-Ni-Sn
Gehäuse / case	UL94-V0
Verguss / potting	UL94-V0

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: 0°C - + 70°C
Hochspannungsprüfung / Hipot test: 1500Vrms 1min.

Freigabe erteilt / general release:

Kunde / customer

....
Datum / date Unterschrift / signature

Würth Elektronik

....
Geprüft / checked Kontrolliert / approved

Name	Änderung / modification	Datum / date
JaB	Version 05	2015-02-13
MLe	Version 04	2013-12-16
MLe	Version 03	2013-08-27
MLe	Version 02	2013-02-25
MLe	Version 01	2012-05-07

Würth Elektronik eiSos GmbH & Co.KG
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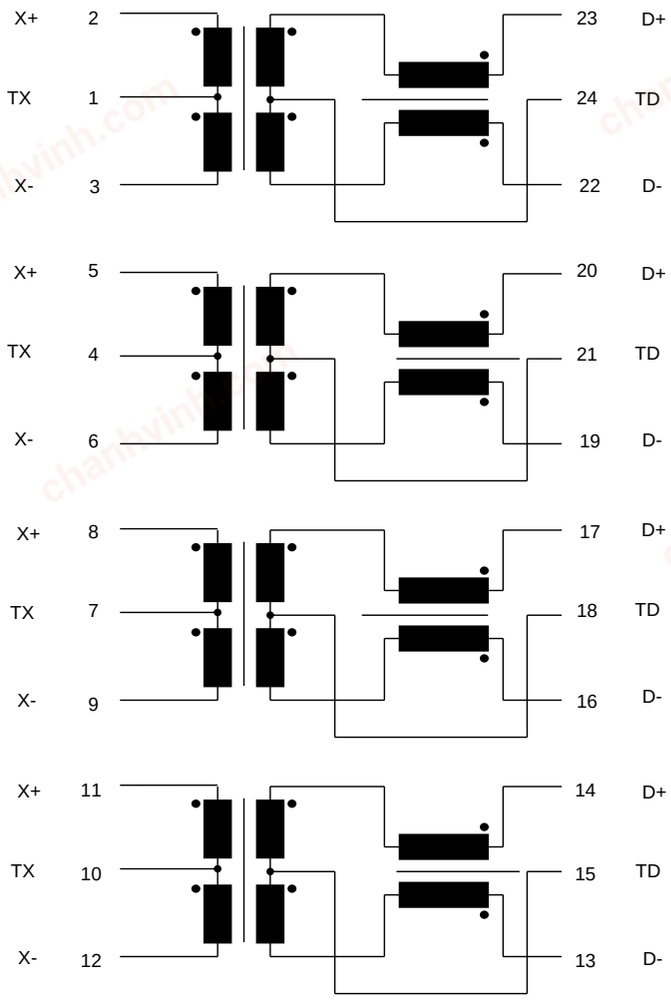
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H Schaltbild / Schematics :



Freigabe erteilt / general release:	Kunde / customer			
		JaB	Version 05	2015-02-13
Datum / date	Unterschrift / signature	MLe	Version 04	2013-12-16
	Würth Elektronik	MLe	Version 03	2013-08-27
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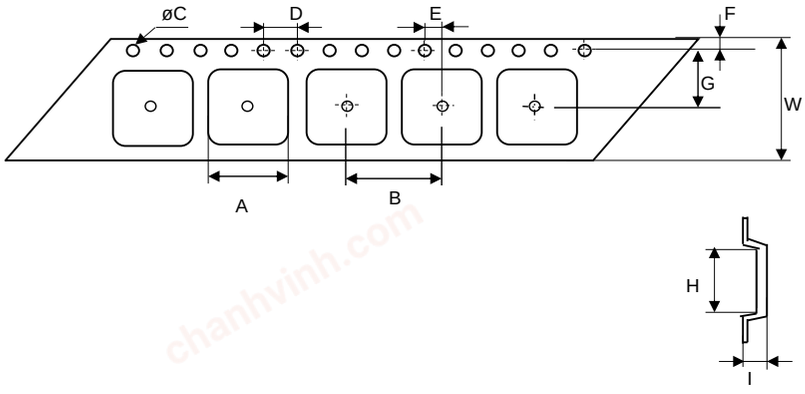
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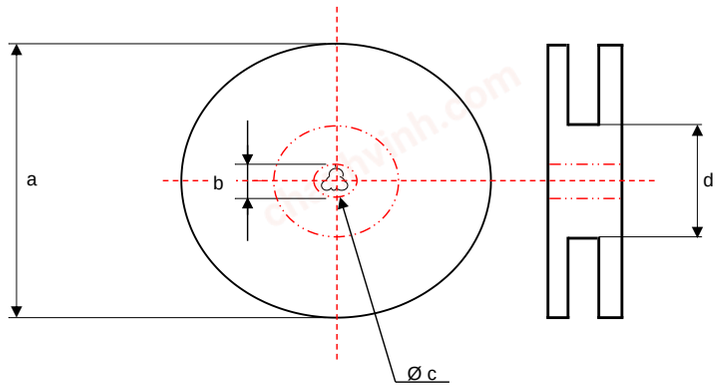
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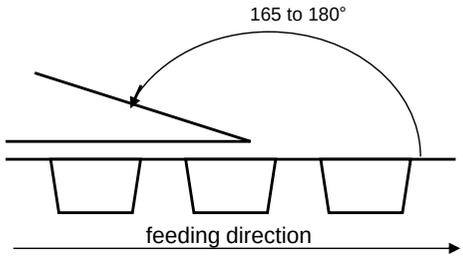
I Rollenspezifikation / tape and reel specification :



Gurtspezifikation / Tape specification:		
A	**15,8 ± 0,1**	mm
B	**20,0 ± 0,2**	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	**14,0 ± 0,1**	mm
I	**6,4 ± 0,1**	mm
W	**24,0 ± 0,1**	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

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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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