

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : 749050010A

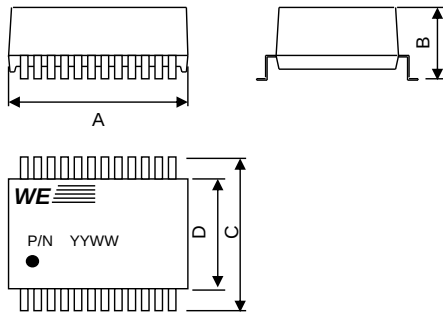
Bezeichnung : LAN-Übertrager WE-LAN

description : LAN-Transformer WE-LAN



DATUM / DATE : 2013-12-16

A Mechanische Abmessungen / dimensions :



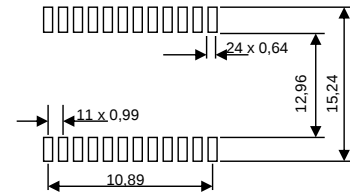
	10G BaseT	
A	13.97 max.	mm
B	6,60 max.	mm
C	15.00 max.	mm
D	12.00 typ.	mm

● = Pin 1

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / Inductance	100kHz / 100mV @ 0mA DC-Bias	OCL	200 μ H	μ H	min.
Übersetzungsverhältnis / Turns ratio	100kHz / 100mV	TR			
Insertion Loss	100k-10MHz	IL	-1,0	dB	max.
	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		-30		

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:
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.
Feuchteempfindlichkeit: MSL 1/ humidity class: MSL 1

Freigabe erteilt / general release:	Kunde / customer			
		Mle	Version 5	2013-12-16
Datum / date	Unterschrift / signature	Mle	Version 4	2013-08-27
	Würth Elektronik	Mle	Version 3	2013-02-25
		Mle	Version 2	2011-08-11
		KSc	Version 1	2010-06-15
Geprüft / checked	Kontrolliert / approved	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
http://www.we-online.com

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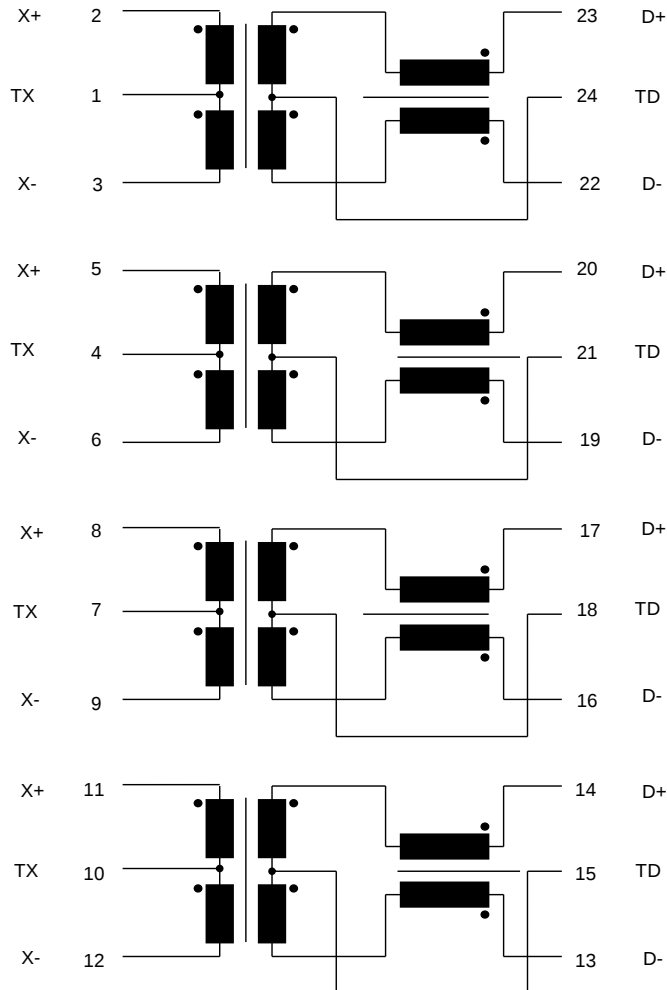
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WÜRTH ELEKTRONIK

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H Schaltbild / Schematics :



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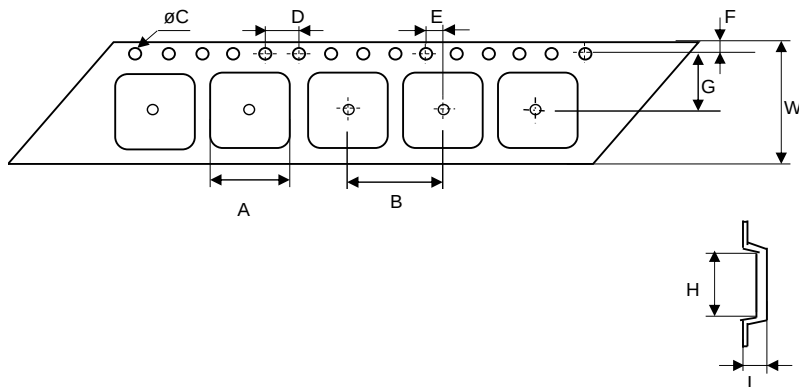
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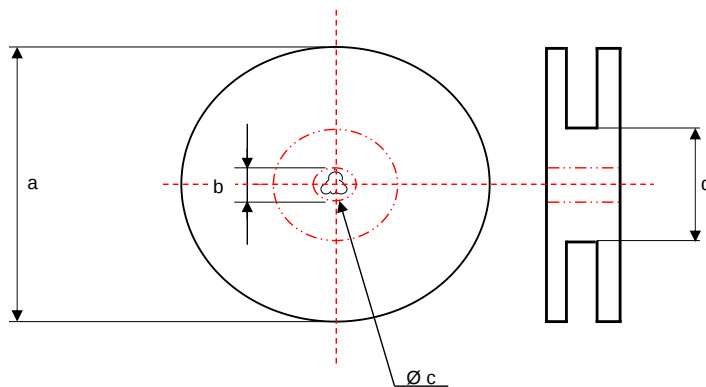
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I Rollenspezifikation / tape and reel specification :



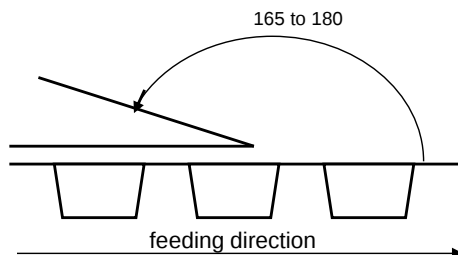
Gurtspezifikation / Tape specification:

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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Würth Elektronik

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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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