

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

749050010A

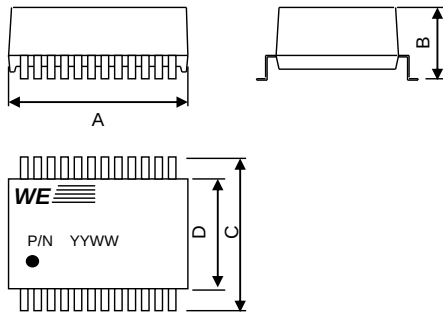
Bezeichnung : LAN-Übertrager WE-LAN

description : LAN-Transformer WE-LAN



DATUM / DATE : 2011-10-24

A Mechanische Abmessungen / dimensions :



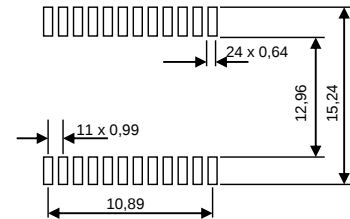
	10G BaseT	
A	13.97 max.	mm
B	6.60 max.	mm
C	15.00 max.	mm
D	12.00 typ.	mm

● = Pin 1

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / Inductance	100kHz / 100mV @ 8mA DC-Bias	OCL	350	μH	min.
Übersetzungsverhältnis / Turns ratio	100kHz / 100mV	TR			
Insertion Loss	100k-100MHz	IL	-3,0	dB	min.
	100k-650MHz		-2,0		
Return Loss	1-40MHz	RL	-18,0	dB	min.
	40-100MHz		-13,1		
	200-300MHz		-8,3		
	300-400MHz		-7,0		
	400-500MHz		-6,1		
Common Mode Rejection	1-250MHz	CMR	-30	dB	min.
	250-500MHz		-22		
Crosstalk	1-100MHz	CT	-40	dB	min.
	100-500MHz	CT	-30		min.

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.

Freigabe erteilt / general release:	Kunde / customer			
Datum / date	Unterschrift / signature			
	Würth Elektronik			
		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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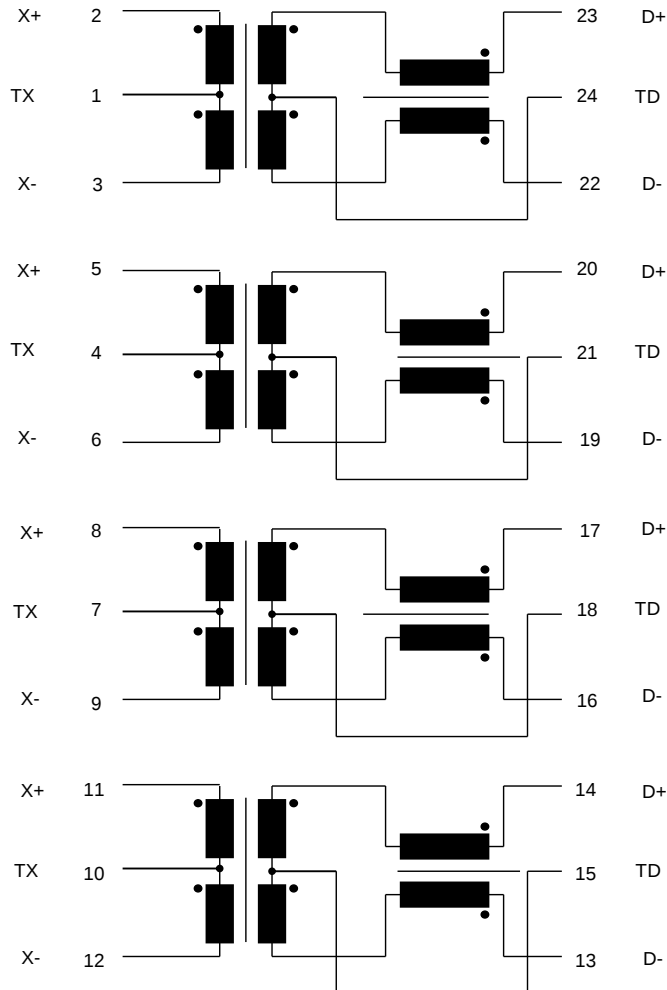
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H Schaltbild / Schematics :



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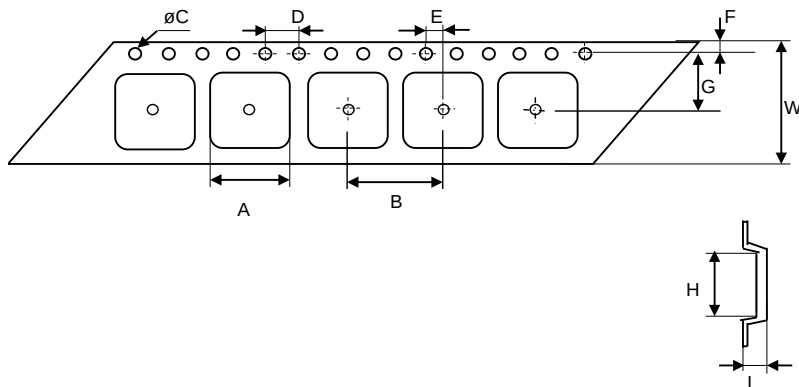
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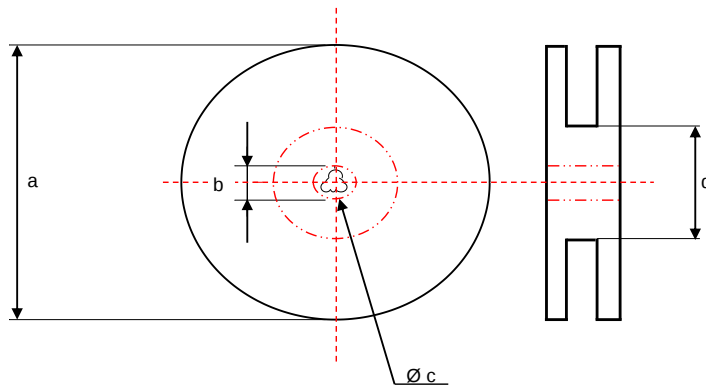
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I Rollenspezifikation / tape and reel specification :



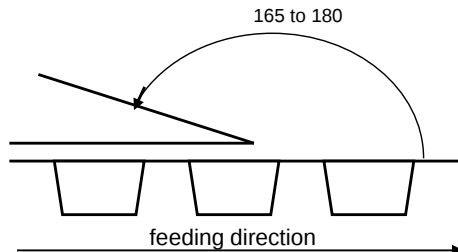
Gurtspezifikation / Tape specification:

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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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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