

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7499021002A

Bezeichnung :

LAN-Übertrager WE-RJ45LAN 10/100BaseT

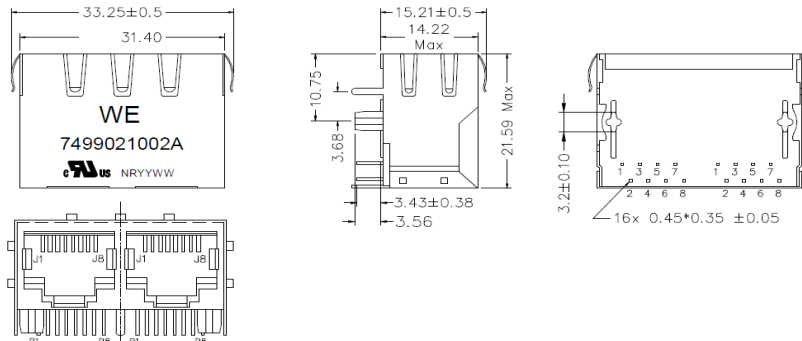
description :

LAN-Transformer WE-RJ45LAN 10/100BaseT

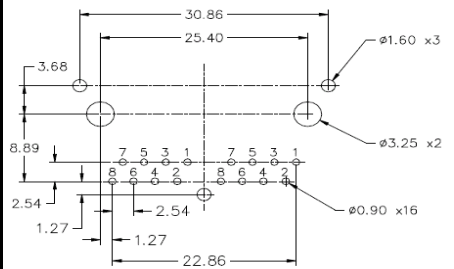


DATUM / DATE : 2014-10-28

A Mechanische Abmessungen / dimensions :



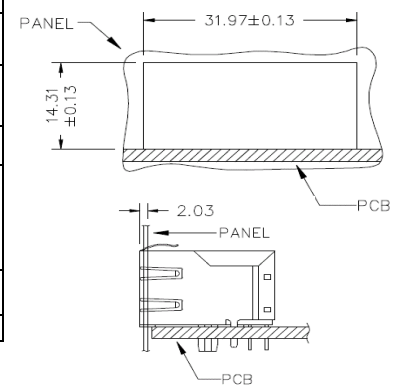
B Lötpad / soldering spec. :



C 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	1 : 1	Tx	±2%
			1 : 1	Rx	
Insertion Loss	1-100MHz	IL	-1.0	dB	max.
Return Loss	1-30MHz	RL	-18	dB	min.
	30-45MHz		-16		
	45-60MHz		-13.5		
	60-80MHz		-12		
Common Mode Rejection	1-100MHz	CMR	-30	dB	min.
Crosstalk	1-100MHz	CT	-30	dB	min.

Suggested panel cutoff



D Prüfgeräte / test equipment :

Agilent E5071C

E Testbedingungen / test conditions :

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

F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material: Ferrit/ ferrite
Draht / wire: QPN 180°C
Kontaktmaterial/ contact plating: 100% tin w. nickel underplating
30μ" gold plating on contact area
Gehäuse / housing: Thermoplastic UL-94V0
LED
Shield: 50μ" nickel over 0.01" cooper alloy

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: -40°C - + 85°C
Hochspannungsprüfung / Hipot test: 1500Vrms 1min.
Geeignet für 10/100Base-TX gemäß IEEE 802.3u /
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			
		Jliu	Rev 01	2015-03-31
		Jliu	Rev 00	2014-10-28
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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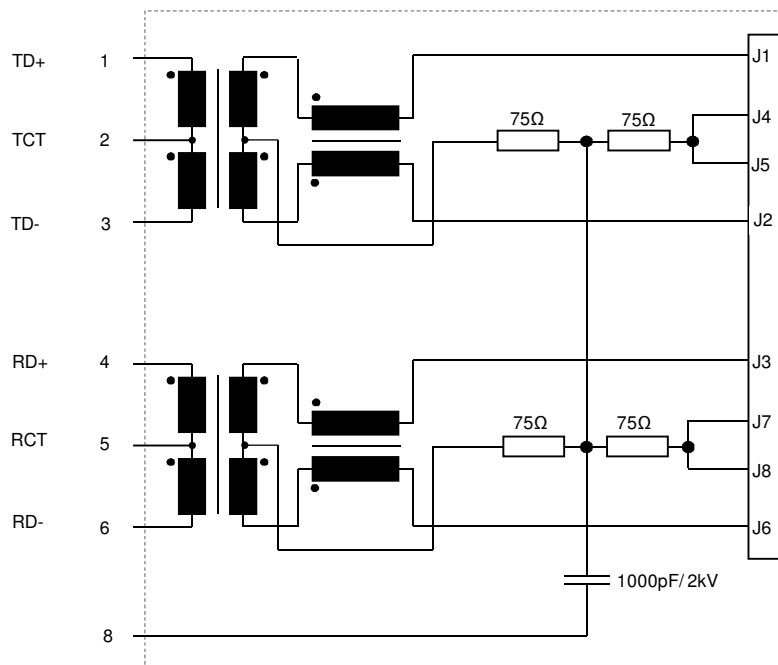
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H Schaltbild / Schematics :



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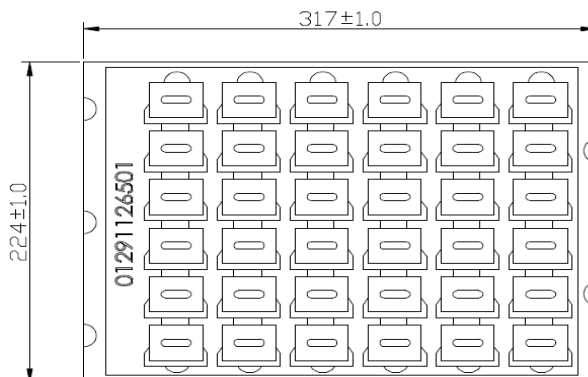
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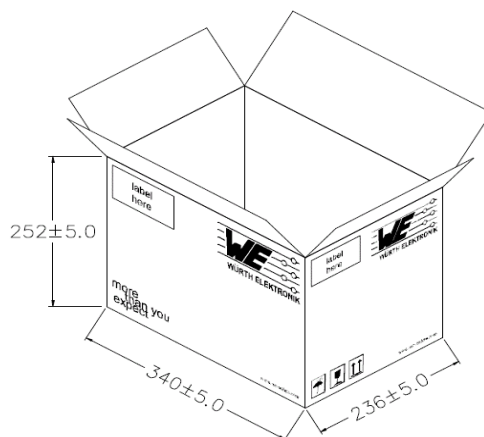
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I Verpackungsspezifikation / package specification :

Tray



Carton



Packing Quantity:

tube= 36pcs

carton= 360pcs

dimensions in mm

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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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