

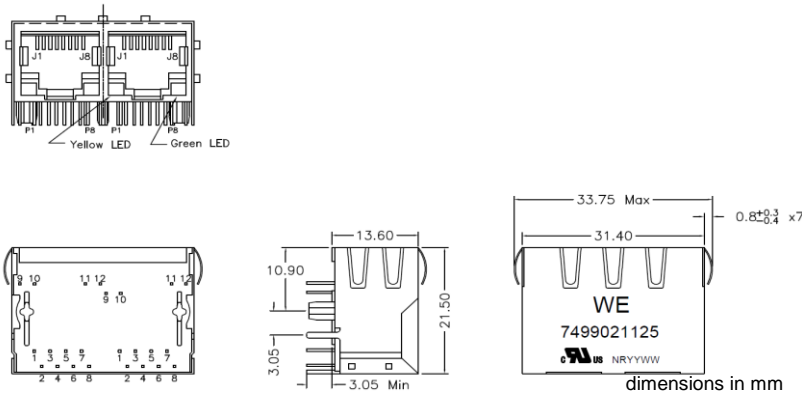
# Spezifikation für Freigabe / specification for release

Kunde / customer :  
 Artikelnummer / part number : **7499021125**  
 Bezeichnung : **LAN-Übertrager WE-RJ45LAN 100BASE-TX**  
 description : **LAN-Transformer WE-RJ45LAN 100BASE-TX**

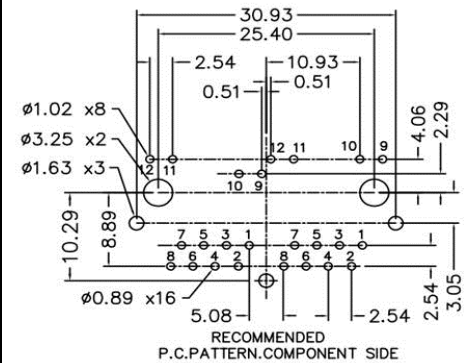


DATUM / DATE : 2023-06-06

## 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	1-10MHz @ 100Ω	RL	-20	dB	min.
	10-30MHz @ 100Ω		-16		
	30-60MHz @ 100Ω		-12		
	60-80MHz @ 100Ω		-10		
Common Mode Rejection	1-50MHz	CMR	-30	dB	min.
	50-150MHz		-20		
Crosstalk	1-100MHz	CT	-30	dB	min.

## 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: UEW 155°C  
 Kontaktmaterial / contact plating: 100% tin w. nickel underplating  
 30µ" gold plating on contact area  
 Gehäuse / housing: Thermoplastic UL-94V0  
 LED: 1,8-2,8 V / 20mA  
 Shield: 50µ" nickel  
 over 0.01" cooper alloy

## G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: 0°C - + 70°C  
 Hochspannungsprüfung / Hipot test: 2250VDC 1min.  
 Geeignet für 100BASE-TX gemäß IEEE 802.3u /  
 Compliant with IEEE 802.3u for 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

SLa	Rev 05	2023-06-06	
LuRa	Rev 04	2019-03-11	
LiLa	Rev 03	2017-11-20	
LuRa	Rev 02	2014-05-13	
Mle	Rev 01	2013-10-14	
KSC	Rev 00	2010-06-10	
Name	Änderung / modification	Datum / date	

**Würth Elektronik eiSos GmbH & Co.KG**

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<http://www.we-online.com>

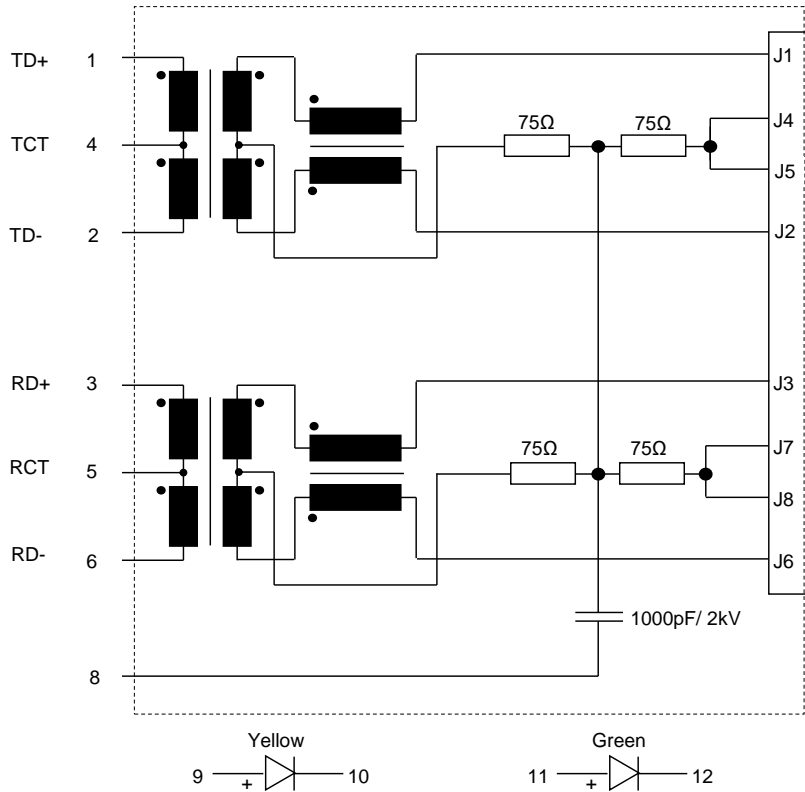
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## H Schaltbild / Schematics :



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	.....		
Datum / date	Unterschrift / signature		
	<b>Würth Elektronik</b>		
Geprüft / checked	Kontrolliert / approved		
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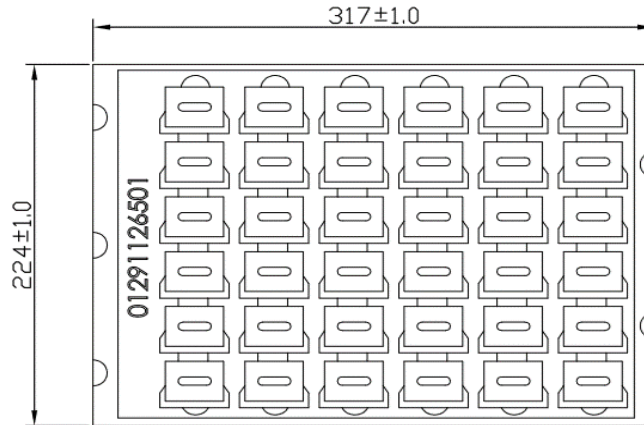
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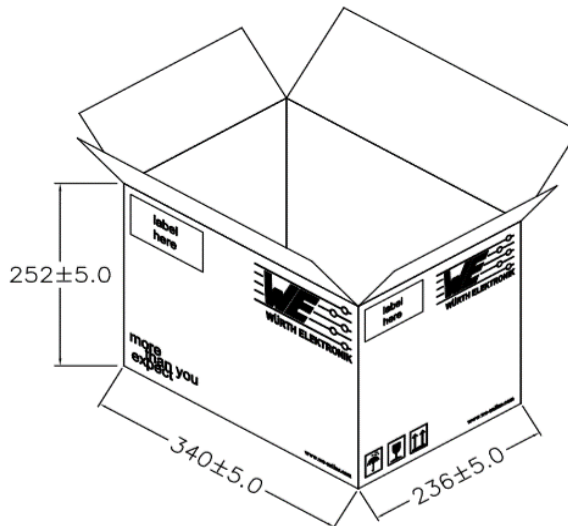
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## I Verpackungsspezifikation / package specification :

Tray:



Carton:



**Packing Quantity:**

tray= 36 pcs  
 carton= 360 pcs

dimensions in mm

Freigabe erteilt / general release:	<b>Kunde / customer</b>		
.....	.....	SLa	Rev 05
Datum / date	Unterschrift / signature	LuRa	Rev 04
.....	<b>Würth Elektronik</b>	LiLa	Rev 03
.....	.....	LuRa	Rev 02
Geprüft / checked	Kontrolliert / approved	Mle	Rev 01
.....	.....	KSC	Rev 00
		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, 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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