

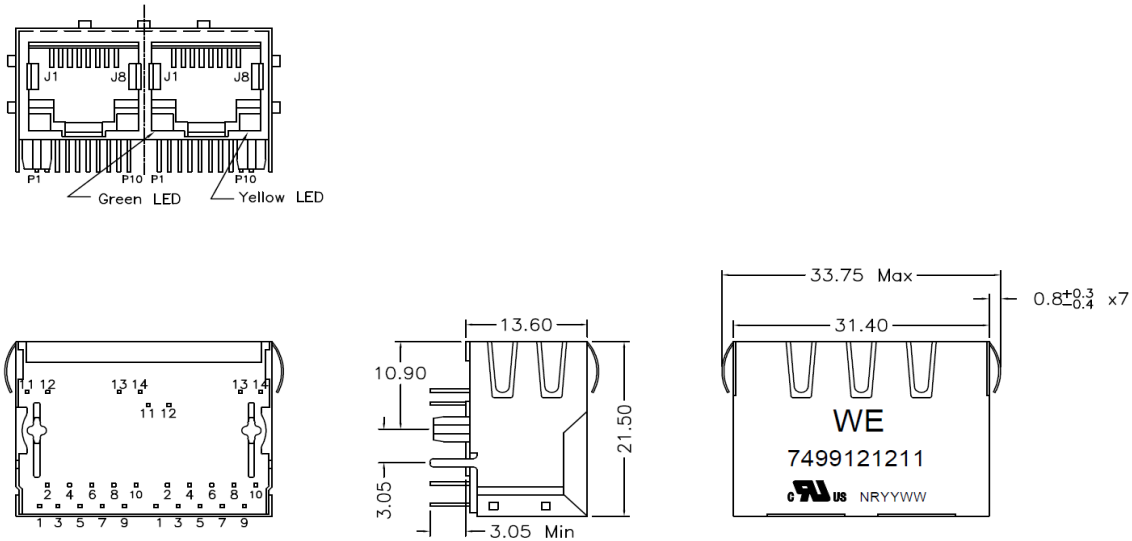
Spezifikation für Freigabe / specification for release

Kunde / customer :  
Artikelnummer / part number : 7499121211  
Bezeichnung : LAN-Übertrager WE-RJ45LAN 10/100/1000 BaseT  
description : LAN-Transformer WE-RJ45LAN 10/100/1000 BaseT

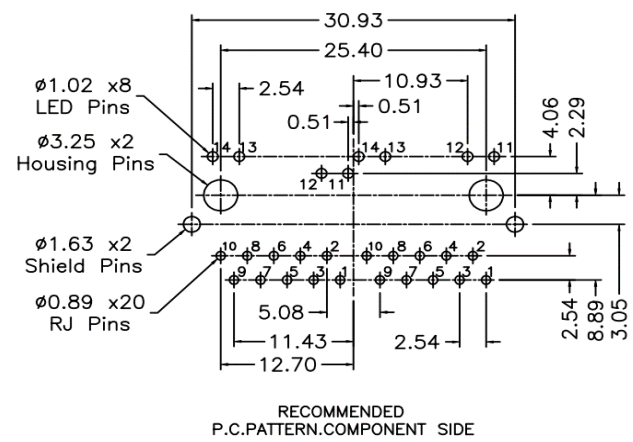


DATUM / DATE : 2016-06-01

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	3%
			1 : 1	Rx	
Insertion Loss	1-100MHz	IL	-1,1	dB	max.
Return Loss	1-30MHz @ 100Ω	RL	-16	dB	min.
	40-60MHz @ 100Ω		-13,5		
	80-100MHz @ 100Ω		-10		
Cross Talk	1-10MHz	CMR	-35	dB	min.
	15-60MHz		-26		
	60-100MHz		-24		
Common Mode Rejection	1-60MHz	CT	-35	dB	min.
	60-100MHz		-30		

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: 4UEW 180°C  
Kontaktmaterial/ contact plating: 100% tin w. nickel underpalting  
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: -40°C - + 85°C  
Hochspannungsprüfung / Hipot test: 1500Vrms 1min.  
Geeignet für 1000BaseT-Anwendungen gemäß IEEE 802.3ab /  
Compliant with IEEE 802.3ab for 1000BaseT

Freigabe erteilt / general release:	Kunde / customer			
Datum / date	Unterschrift / signature	LuRa	Revision 03	2019-03-13
	Würth Elektronik	Mle	Revision 02	2016-06-01
		Mle	Revision 01	2013-01-07
		Mle	Revision 00	2012-11-05
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  
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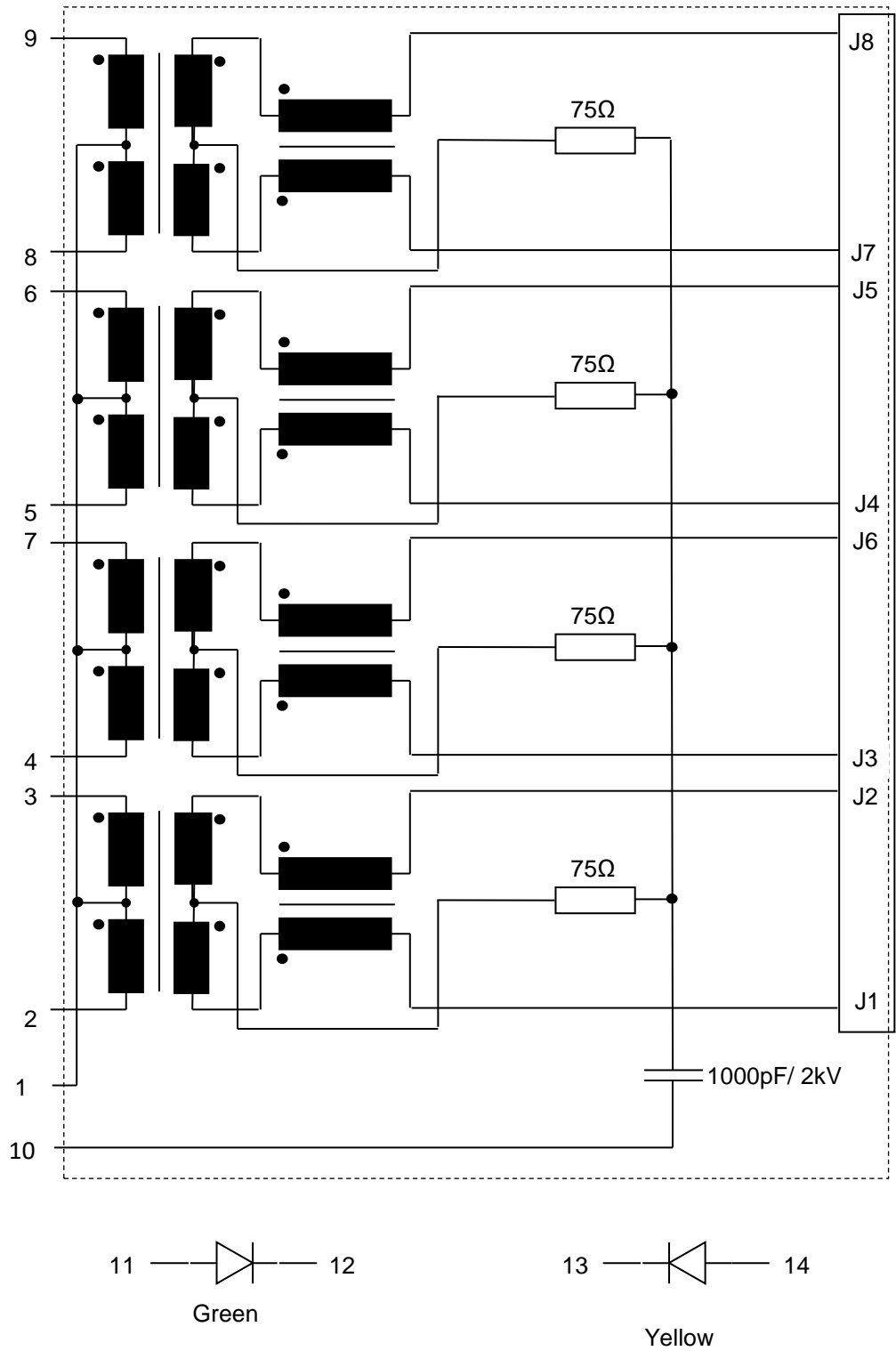
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H Schaltbild / Schematics :



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Bezeichnung : LAN-Übertrager WE-RJ45LAN 10/100/1000 BaseT

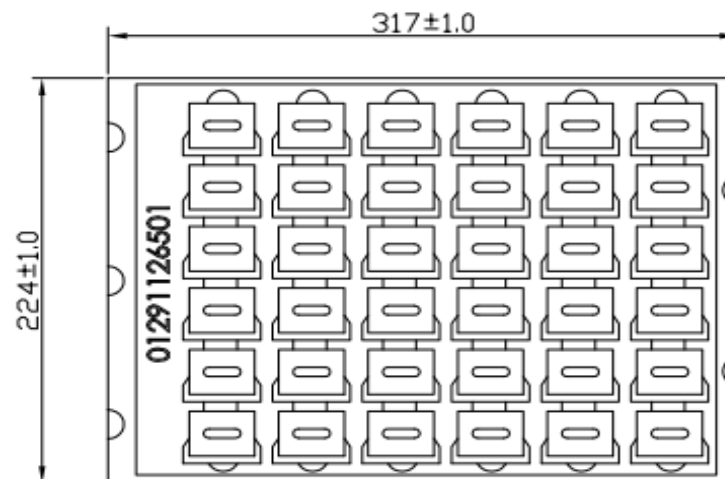
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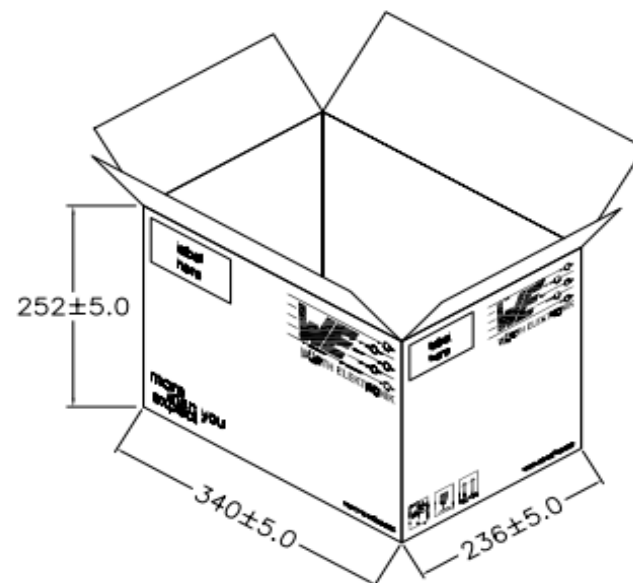
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## I Verpackungsspezifikation / package specification :

Tray



Carton



PACKAGING QUANTITY:

36pcs Finished Goods / Tray

10 Tray (360pcs Finished Goods) / Carton

## 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.

## Würth Elektronik eiSos GmbH & Co.KG

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