

# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7499011212A

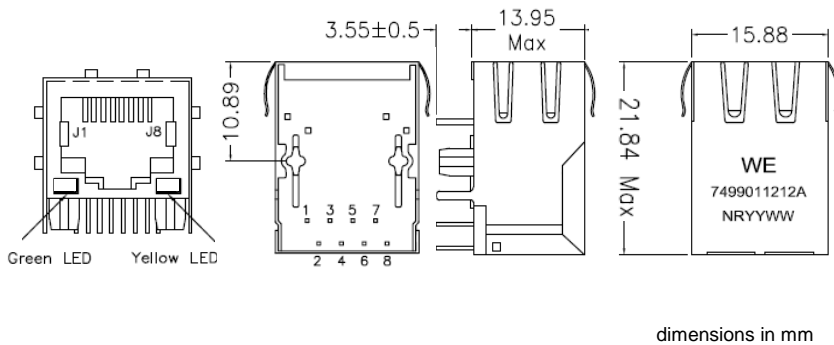


Bezeichnung : LAN-Übertrager WE-RJ45LAN 10/100BaseT

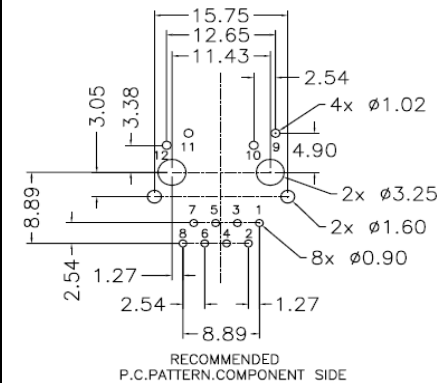
description : LAN-Transformer WE-RJ45LAN 10/100BaseT

DATUM / DATE : 2017-07-25

## 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	-1,0	dB	max.
Return Loss	1-30MHz @ 100Ω	RL	-18	dB	min.
	30-45MHz @ 100Ω		-13,5		
	45-60MHz @ 100Ω		-12		
	60-80MHz @ 100Ω		-10		
Common Mode Rejection	1-100MHz	CMR	-30	dB	min.
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: 0UEW 180°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: -40°C - +85°C  
 Hochspannungsprüfung / Hipot test: 2250VDC 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

Geprüft / checked

Kontrolliert / approved

Jliu	Rev.06	2017-09-05
Mle	Rev.05	2017-07-25
LuRa	Rev04	2014-02-14
Mle	Rev03	2011-06-10
KSc	Rev02	2010-02-23
KSC	Rev01	2009-11-21
KSC	Rev 00	2009-07-21
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>

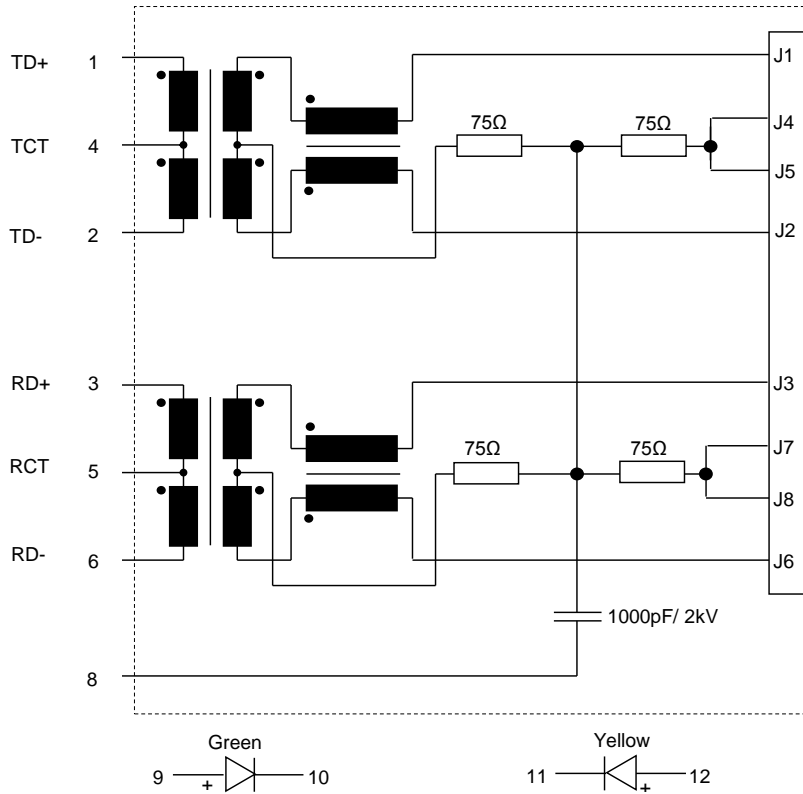
# Spezifikation für Freigabe / specification for release

Kunde / customer :  
 Artikelnummer / part number : **7499011212A**  
 Bezeichnung : **LAN-Übertrager WE-RJ45LAN 10/100BaseT**  
 description : **LAN-Transformer WE-RJ45LAN 10/100BaseT**



DATUM / DATE : 2017-07-25

## H Schaltbild / Schematics :



Freigabe erteilt / general release:	<b>Kunde / customer</b>			
		Jliu	Rev.06	2017-09-05
		Mle	Rev.05	2017-07-25
		LuRa	Rev04	2014-02-14
Datum / date	Unterschrift / signature	Mle	Rev03	2011-06-10
	<b>Würth Elektronik</b>	KSc	Rev02	2010-02-23
		KSC	Rev01	2009-11-21
		KSC	Rev 00	2009-07-21
Gepüft / 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>

# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7499011212A

Bezeichnung :

LAN-Übertrager WE-RJ45LAN 10/100BaseT

description :

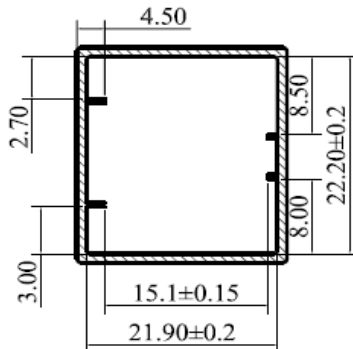
LAN-Transformer WE-RJ45LAN 10/100BaseT



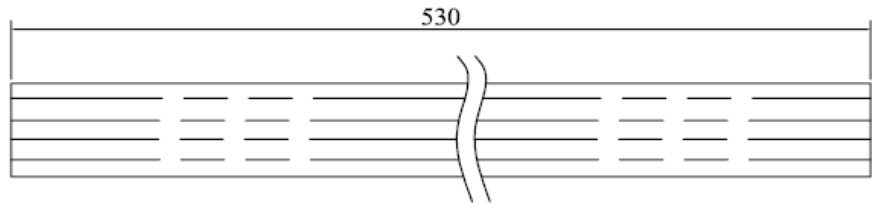
DATUM / DATE : 2017-07-25

## I Verpackungsspezifikation / package specification :

### Tube

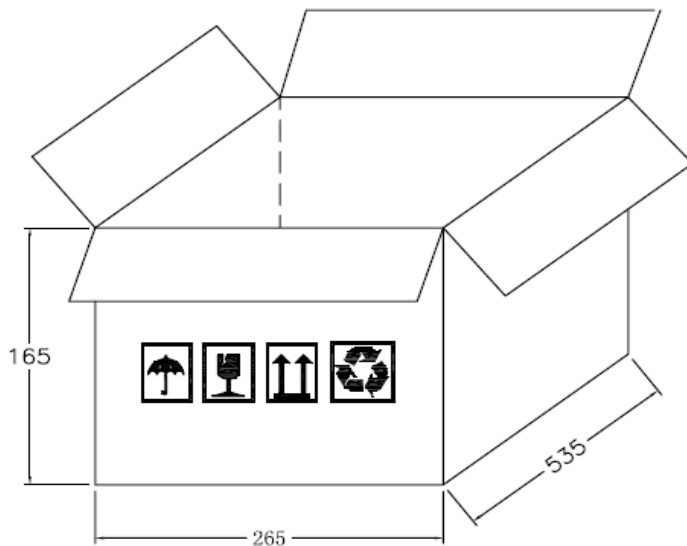


Profile view



Top view

### Carton



### Packing Quantity:

tube= 29pcs

carton= 1740pcs

### dimensions in mm

Freigabe erteilt / general release:	Kunde / customer		
Datum / date	Unterschrift / signature	Jliu	Rev.06
		Mle	Rev.05
Geprüft / checked	Würth Elektronik	LuRa	Rev04
		Mle	Rev03
	Kontrolliert / approved	KSc	Rev02
		KSC	Rev01
		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.

### 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>