Spezifikation für Freigabe / specification for release

Kunde / customer :

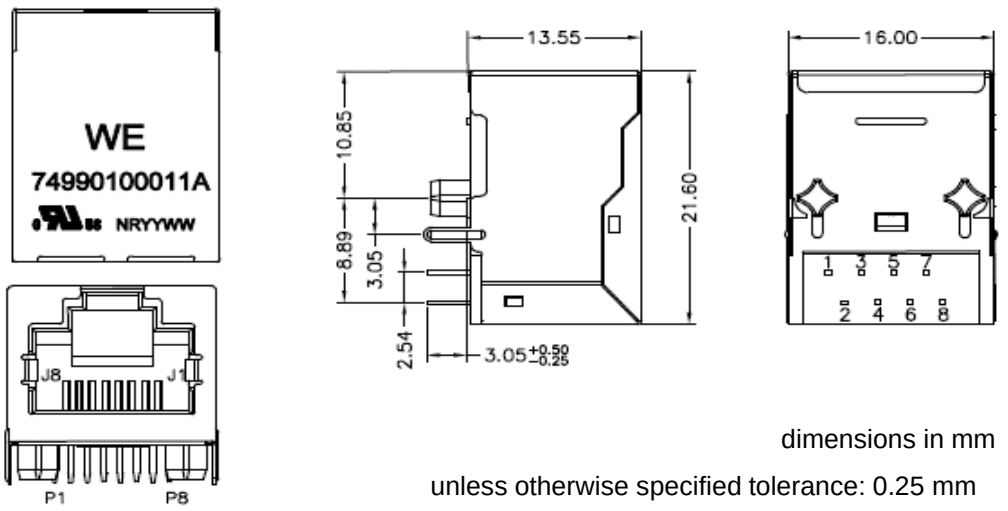
Artikelnummer / part number : **74990100011A**

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

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

DATUM / DATE : 2020-11-27

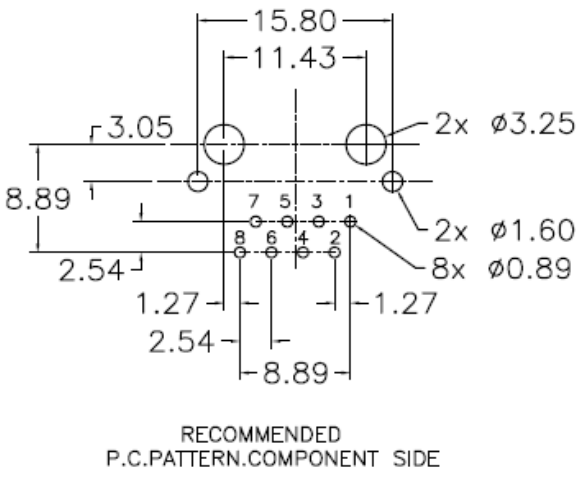
A Mechanische Abmessungen / dimensions :



dimensions in mm

unless otherwise specified tolerance: 0.25 mm

B Lötpad / soldering spec. :



RECOMMENDED
P.C.PATTERN.COMPONENT SIDE

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	**-16**	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:	4UEW 180°C
Kontaktmaterial/ contact plating:	100% tin w. nickel underpalting 30µ"gold plating on contact area
Gehäuse / housing	Thermoplastic UL-94V0
LED	n/a
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	LuRa	Rev 02	2020-11-27
		Mle	Rev 01	2013-05-22
		KSC	Rev 00	2009-09-11
Geprüft / checked	Kontrolliert / approved	Name	**Änderung / modification**	Datum / date

Würth Elektronik eiSos GmbH & Co.KG

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Spezifikation für Freigabe / specification for release

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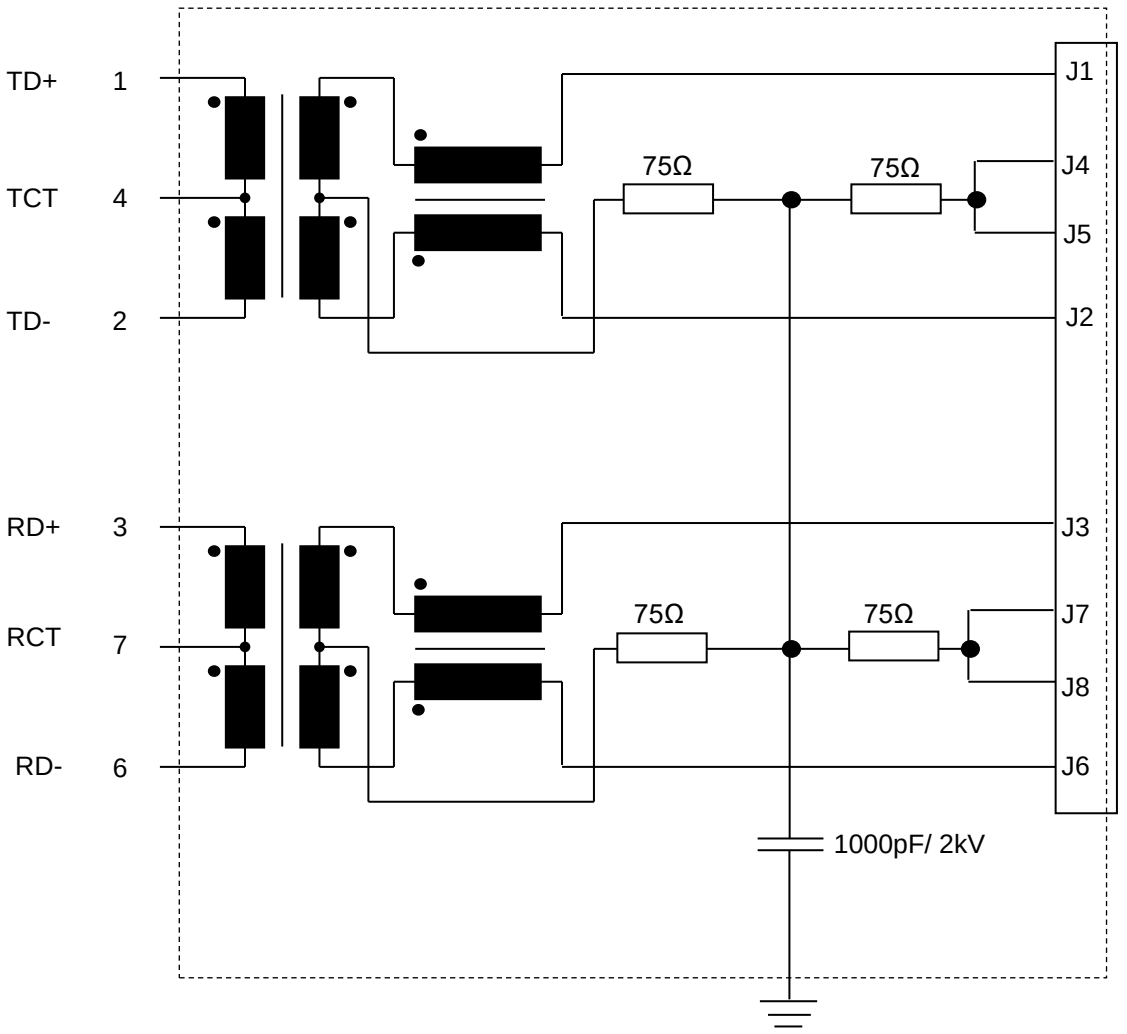
description : **LAN-Transformer WE-RJ45LAN 10/100BaseT**

compliant RoHS WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

DATUM / DATE : 2020-11-27

H Schaltbild / Schematics :



Freigabe erteilt / general release:	**Kunde / customer**			
.....	.....			
Datum / date	Unterschrift / signature			
	Würth Elektronik	LuRa	Rev 02	2020-11-27
		Mle	Rev 01	2013-05-22
.....	.....	KSC	Rev 00	2009-09-11
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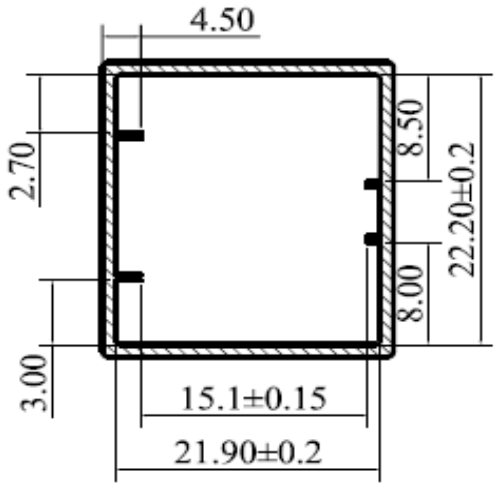
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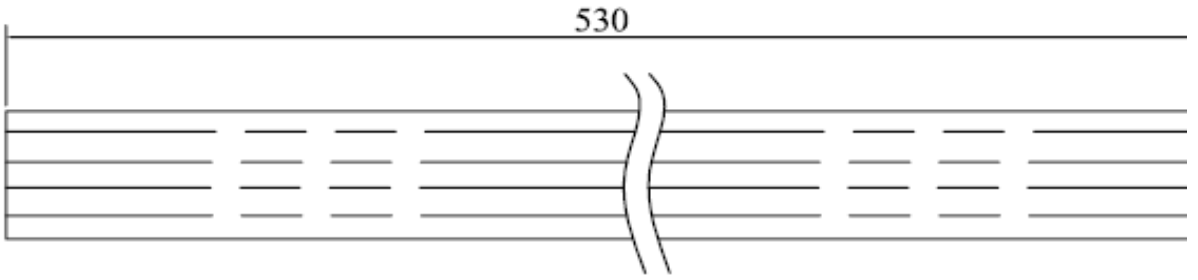
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B Tube
d

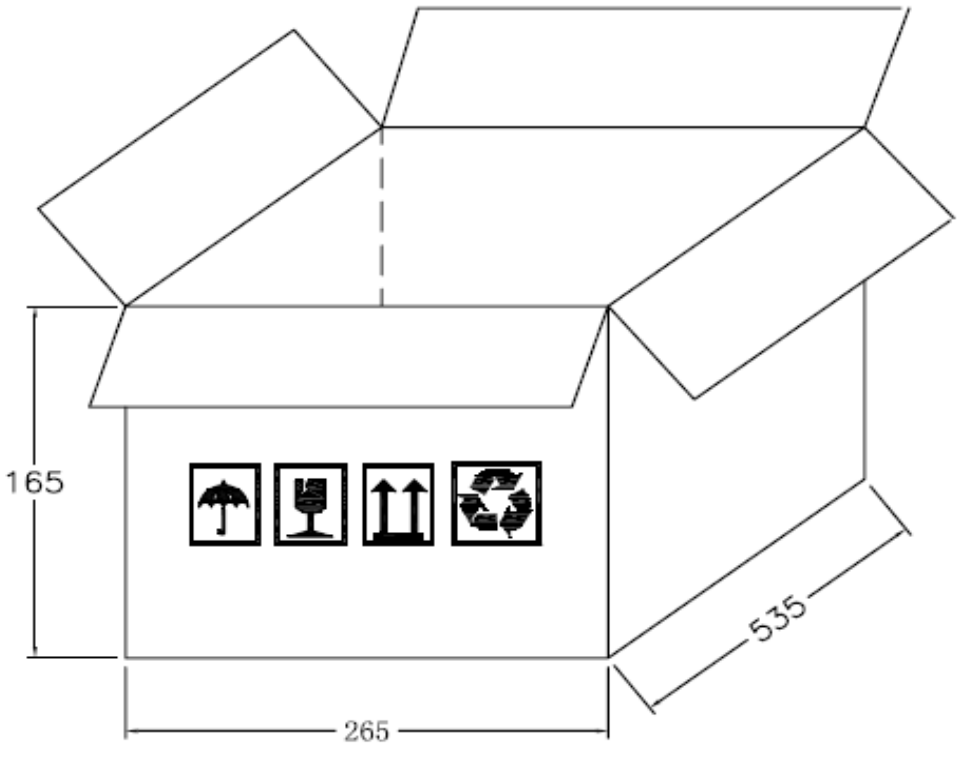


Profile view



Top view

Carton



Package Quantity:

tube= 31pcs
carton= 1860pcs

dimensions in mm

Freigabe erteilt / general release:	**Kunde / customer**			
Datum / date	Unterschrift / signature			
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		Mle	Rev 01	2013-05-22
		KSC	Rev 00	2009-09-11
Geprüft / checked	Kontrolliert / approved	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

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