

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7499210121A

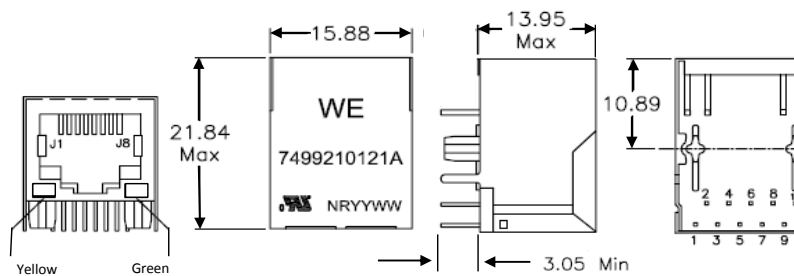


Bezeichnung : LAN-Übertrager WE-RJ45LAN 10/100BaseT PoE

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

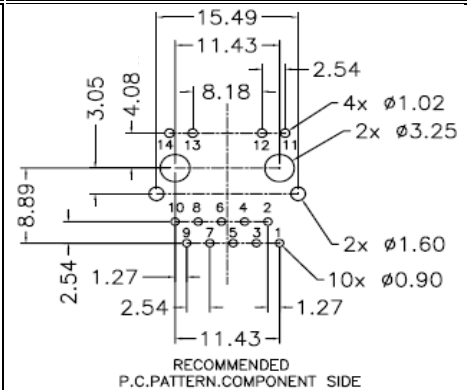
DATUM / DATE : 2009-12-22

A Mechanische Abmessungen / dimensions :



dimensions in 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	-18	dB	min.
	30-45MHz @ 100Ω		-13.5		
	45-60MHz @ 100Ω		-12		
	60-80MHz @ 100Ω		-10		
Common Mode Rejection	1-100MHz	CCMR	-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 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:	-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

Geprüft / checked

Kontrolliert / approved

KSC	Rev 00	2009-12-22
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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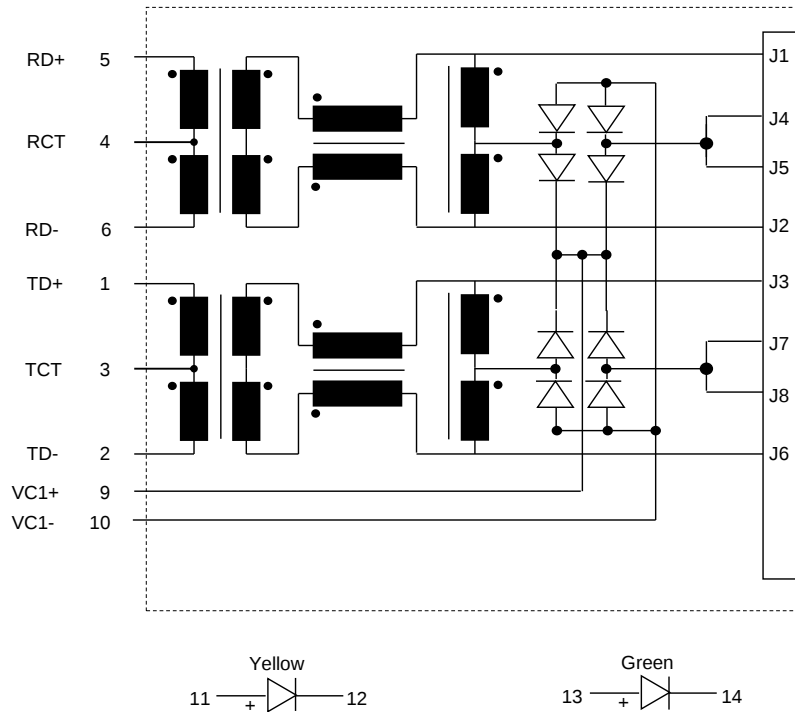


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H Schaltbild / Schematics :



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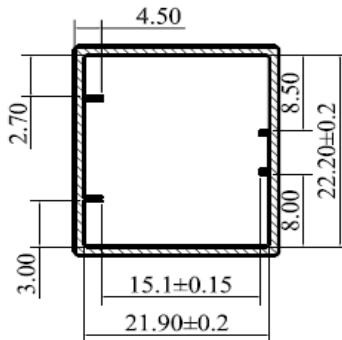
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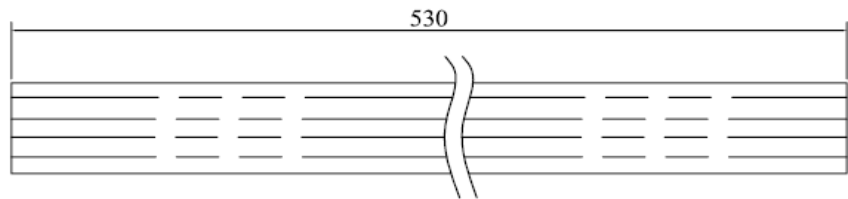
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I Verpackungsspezifikation / package specification :

Tube

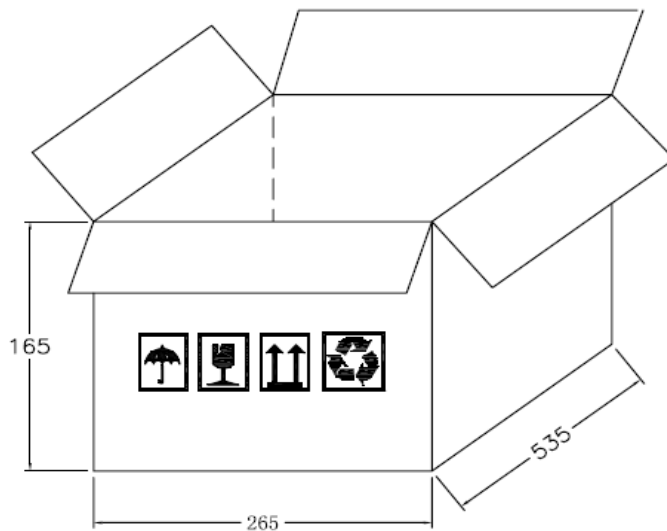


Profile view



Top view

Carton



Packing Quantity:

tube= 29pcs

carton= 1740pcs

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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