

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7499031120A

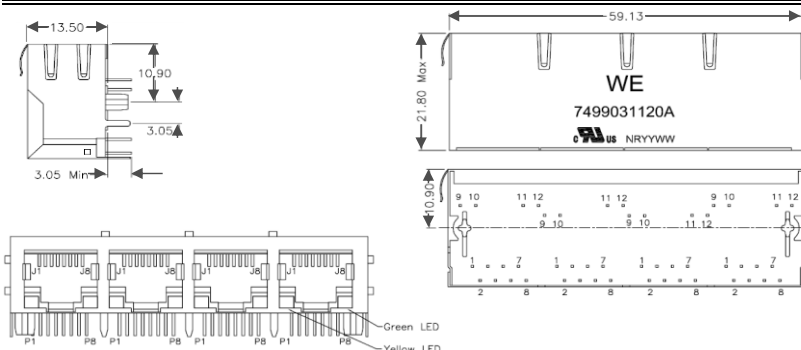


Bezeichnung : LAN-Übertrager WE-RJ45LAN 10/100BaseT

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

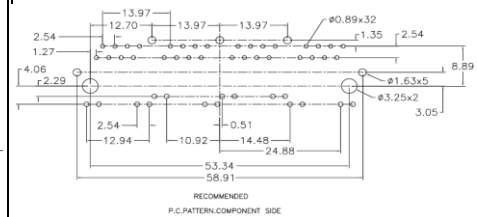
DATUM / DATE : 2014-02-14

A Mechanische Abmessungen / dimensions :



Dimensions in mm / Unless otherwise specified, Tolerance ± 0.25

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	μ H	min.
Übersetzungsverhältnis / Turns ratio	100kHz / 100mV	TR	1 : 1	Tx	
			1 : 1	Rx	
Insertion Loss	1-100MHz	IL	-1,0	dB	max.
Return Loss	1-10MHz @ 100 Ω	RL	-20	dB	min.
	10-30MHz @ 100 Ω		-16		
	30-60MHz @ 100 Ω		-12		
	60-80MHz @ 100 Ω		-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: 4UEW 180°C
 Kontaktmaterial/ contact plating: 100% tin w. nickel underplating
 30 μ gold plating on contact area
 Gehäuse / housing: Thermoplastic UL-94V0
 LED: 1,8-2,8 V/ 20mA
 Shield: 50 μ 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:

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Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

LuRa	Rev 01	2014-02-14
KSC	Rev 00	2010-01-07
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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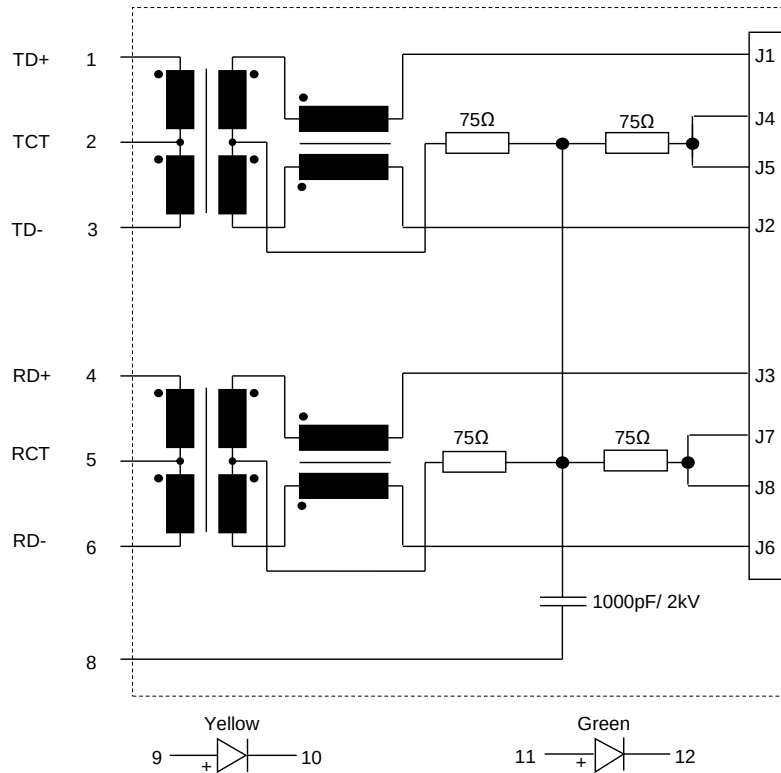


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H Schaltbild / Schematics :



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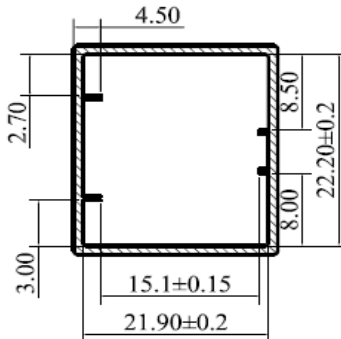
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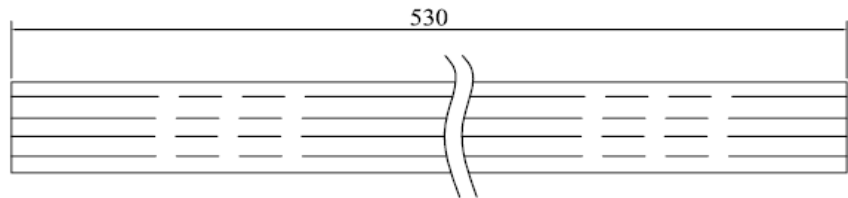
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I Verpackungsspezifikation / package specification :

Tube

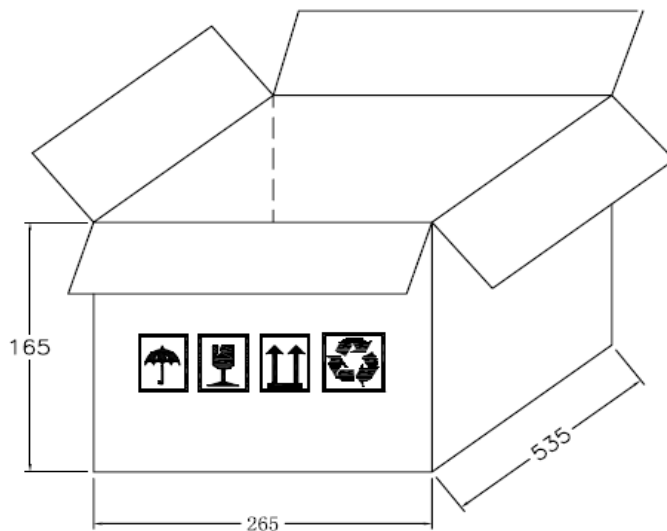


Profile view



Top view

Carton



Packing Quantity:

tube= 8pcs

carton= 480pcs

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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