

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7499611421

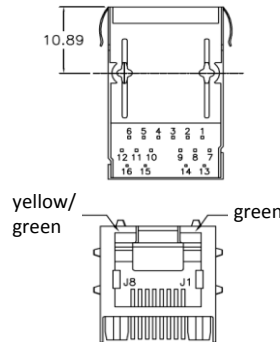
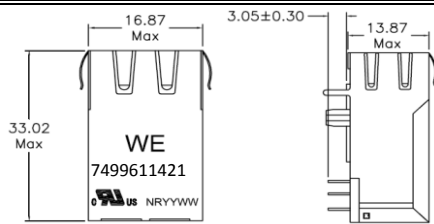


Bezeichnung : LAN-Übertrager WE-RJ45LAN 10/100/1000/10G BaseT

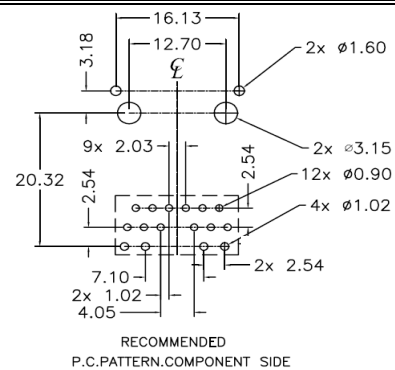
description : LAN-Transformer WE-RJ45LAN 10/100/1000/10G BaseT

DATUM / DATE : 2011-12-06

A Mechanische Abmessungen / dimensions :

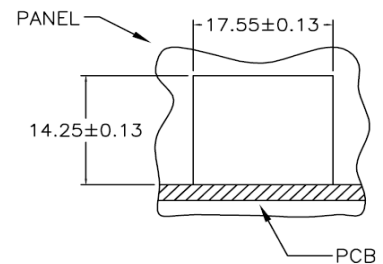


B Lötpad / soldering spec. :



C Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / Inductance	100kHz / 100mV @ 8mA DC-Bias	OCL	120	μH	min.
Übersetzungsverhältnis / Turns ratio	100kHz / 100mV	TR	1 : 1	Tx	3%
			1 : 1	Rx	
Insertion Loss	1-100MHz 100-400MHz	IL	-2 -3	dB	max.
Return Loss	1-100MHz @ 100Ω 100-200MHz @ 100Ω 200-400MHz @ 100Ω 400-500MHz @ 100Ω	RL	-13 -10 -7 -6	dB	min.
Differential to Common Mode Rejection	1-250MHz 250-500MHz	DCMR	-30 -22	dB	min.
Crosstalk	1-100MHz 100-500MHz	CT	-28 -19	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: UEW/ Y155
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/ 12mA
Shield: 50μ" nickel over 0.01" cooper alloy

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: 0°C - + 70°C
Hochspannungsprüfung / Hipot test: 1500Vrms 1min.
Geeignet für 10G BaseT-Anwendungen gemäß IEEE 802.3an / Compliant with IEEE 802.3an for 10G BaseT

Freigabe erteilt / general release:

Kunde / customer

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

Mle Revision 00 2011-12-06
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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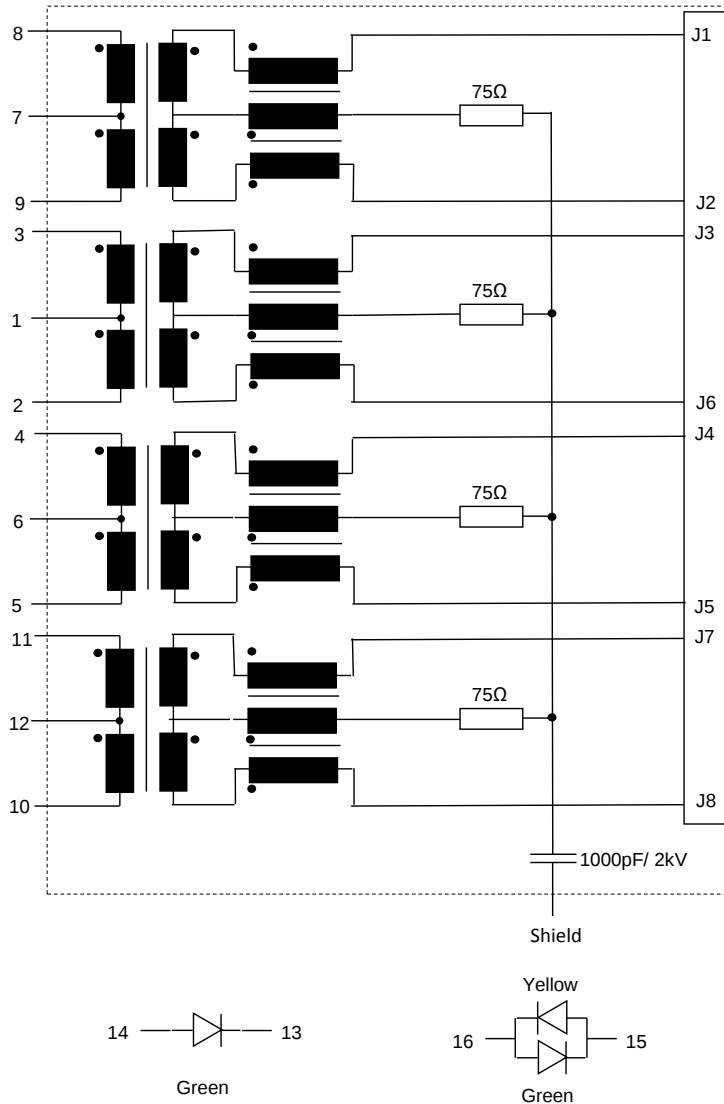


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H Schaltbild / Schematics :



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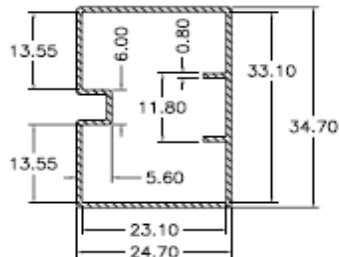
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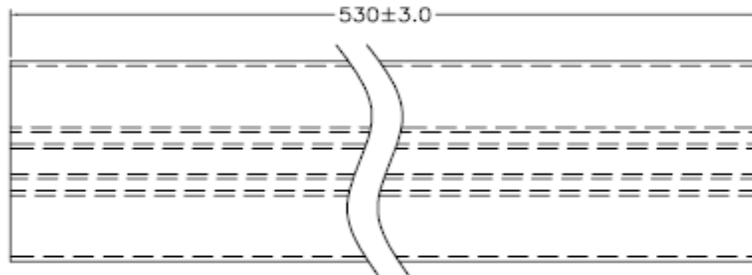
I Verpackungsspezifikation / package specification :

PACKAGING(Tube)

Tube



Profile view



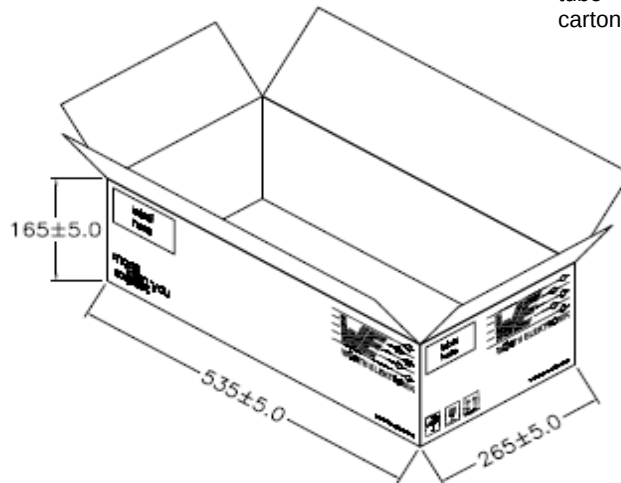
Top view

Carton

Package 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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