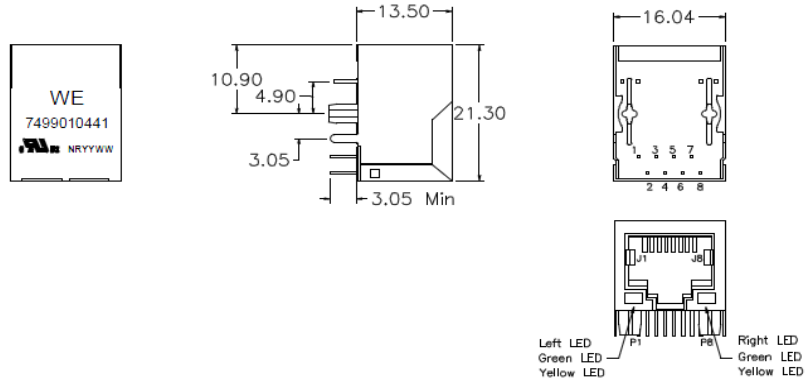
Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : **7499010441**

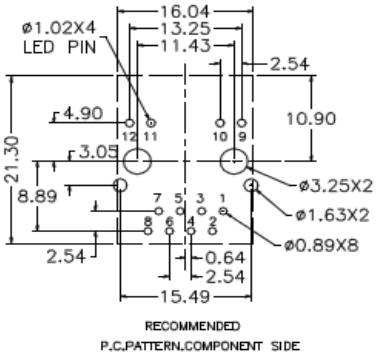
Bezeichnung : **LAN-Übertrager WE-RJ45LAN 10/100BaseT**
description : **LAN-Transformer WE-RJ45LAN 10/100BaseT**

DATUM / DATE : 2016-03-30

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	**300KHz-100MHz**	IL	**-1,0**	dB	**max.**
Return Loss	**1-10MHz @ 100Ω**	RL	**-20**	dB	**min.**
	10-30MHz @ 100Ω		**-16**		
	30-60MHz @ 100Ω		**-12**		
	60-80MHz @ 100Ω		**-10**		
Common Mode Rejection	**1-50MHz**	CMR	**-30**	dB	**min.**
Crosstalk	**1-30MHz**	CT	**-35**	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 underpalting 30µ"gold plating on contact area
Gehäuse / housing	PA66 GF Black UL94V-0
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

Impuls Entladungsstrom 1,000A @ 8/20 µs nach
IEC 61000-4-5 (10 Impulse)

Total Impulse Discharge Current 1,000A @ 8/20µs by
IEC 61000-4-5 (10 shots)

Freigabe erteilt / general release:

Kunde / customer

Datum / date — Unterschrift / signature

Würth Elektronik

Geprüft / checked — Kontrolliert / approved

Name	Änderung / modification	Datum / date
Mle	Revision 02	2016-03-30
LuRa	Revision 01	2014-09-03
LuRa	Revision 00	2013-08-13

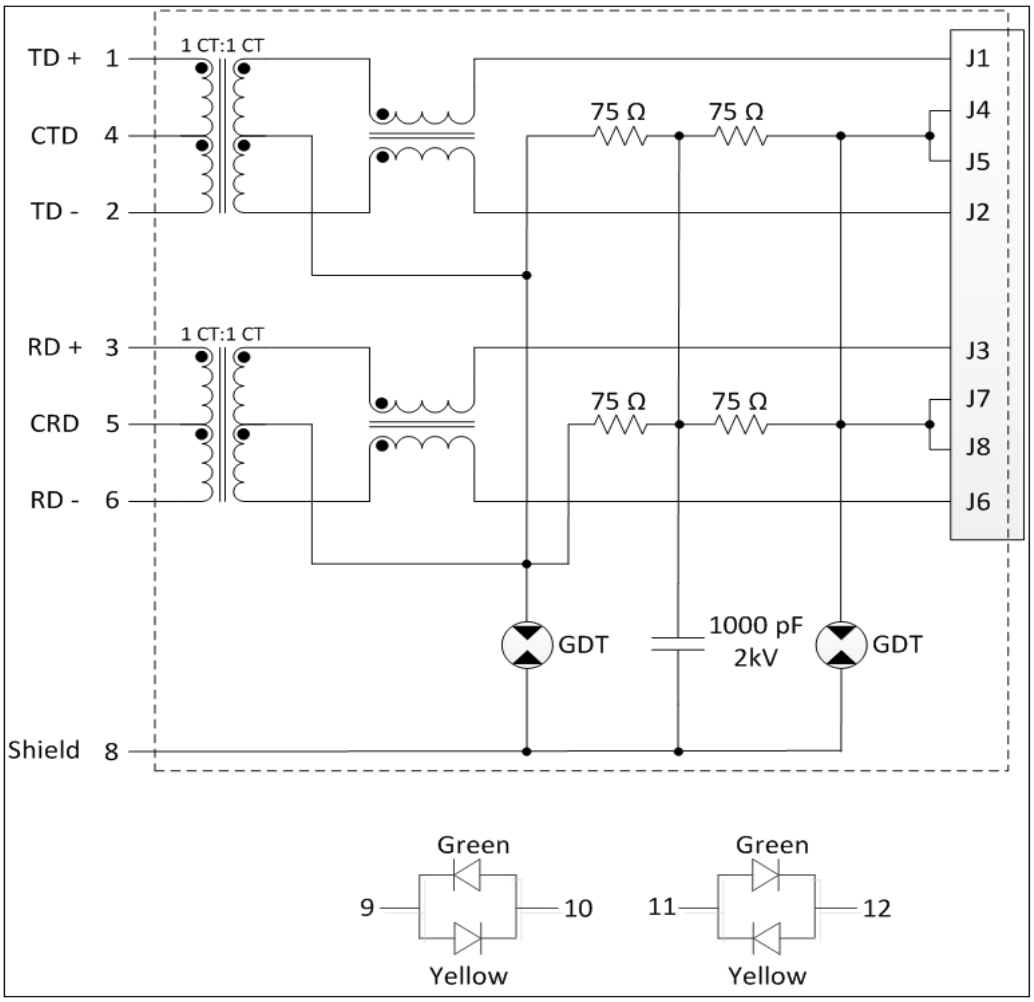
Würth Elektronik eiSos GmbH & Co.KG
D-74638 Waldenburg · Max-Eyth-Straße 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400
http://www.we-online.com

Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : **7499010441**
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description : **LAN-Transformer WE-RJ45LAN 10/100BaseT**

DATUM / DATE : 2016-03-30

H Schaltbild / Schematics :



Freigabe erteilt / general release:	Kunde / customer			
Datum / date	Unterschrift / signature			
	Würth Elektronik	Mle	Revision 02	2016-03-30
		LuRa	Revision 01	2014-09-03
		LuRa	Revision 00	2013-08-13
Geprüft / checked	Kontrolliert / approved	Name	**Änderung / modification**	Datum / date

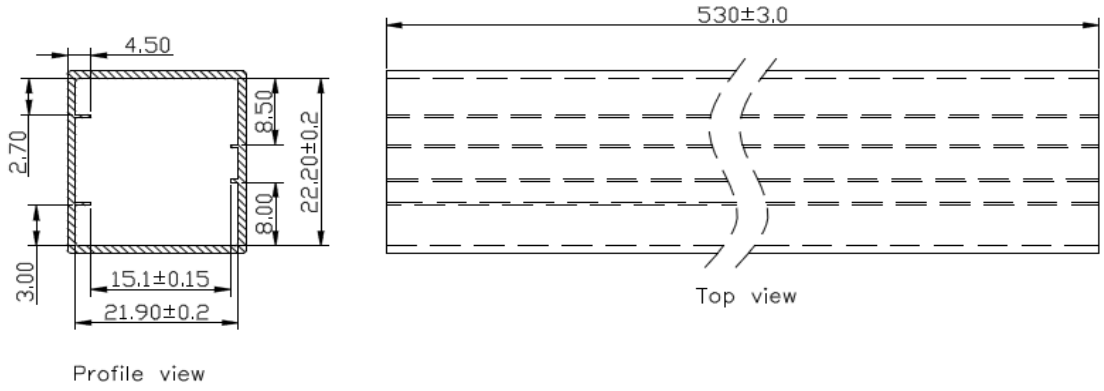
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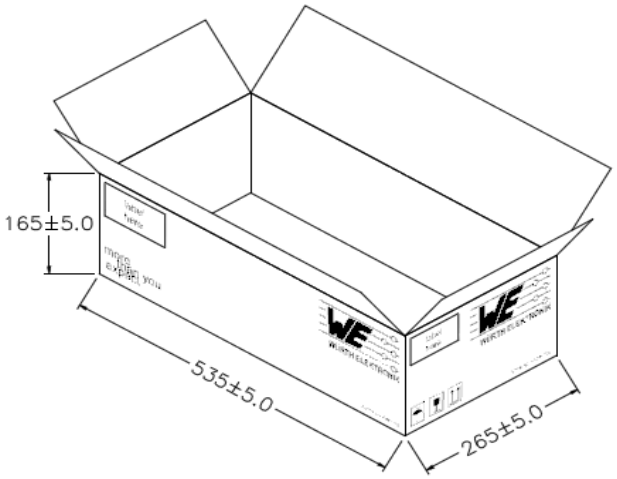
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description : **LAN-Transformer WE-RJ45LAN 10/100BaseT**

DATUM / DATE : 2016-03-30

I Verpackungsspezifikation / package specification :



Carton



Packing Quantity:

tube= 31pcs
carton= 1860pcs

Freigabe erteilt / general release:	**Kunde / customer**			
Datum / date	Unterschrift / signature			
	Würth Elektronik	Mle	Revision 02	2016-03-30
		LuRa	Revision 01	2014-09-03
		LuRa	Revision 00	2013-08-13
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, nudear 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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