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[7499051002](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7499051002

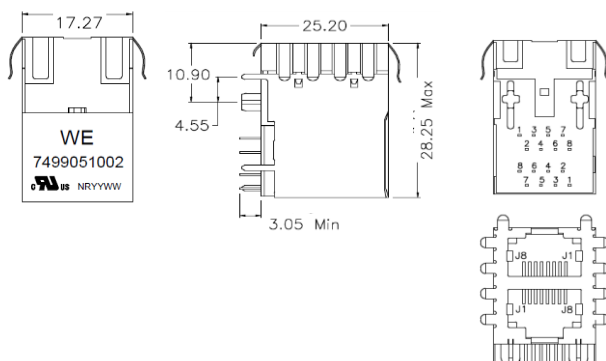
Bezeichnung : LAN-Übertrager WE-RJ45LAN 10/100BaseT

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

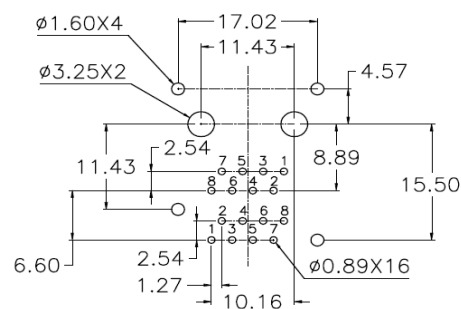


DATUM / DATE : 2014-09-15

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	1-100MHz	IL	-1,2	dB	max.
Return Loss	1-30MHz @ 100Ω	RL	-16	dB	min.
	30-45MHz @ 100Ω		-14		
	45-60MHz @ 100Ω		-13,5		
	60-80MHz @ 100Ω		-12		
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 underplating
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

Geprüft / checked

Kontrolliert / approved

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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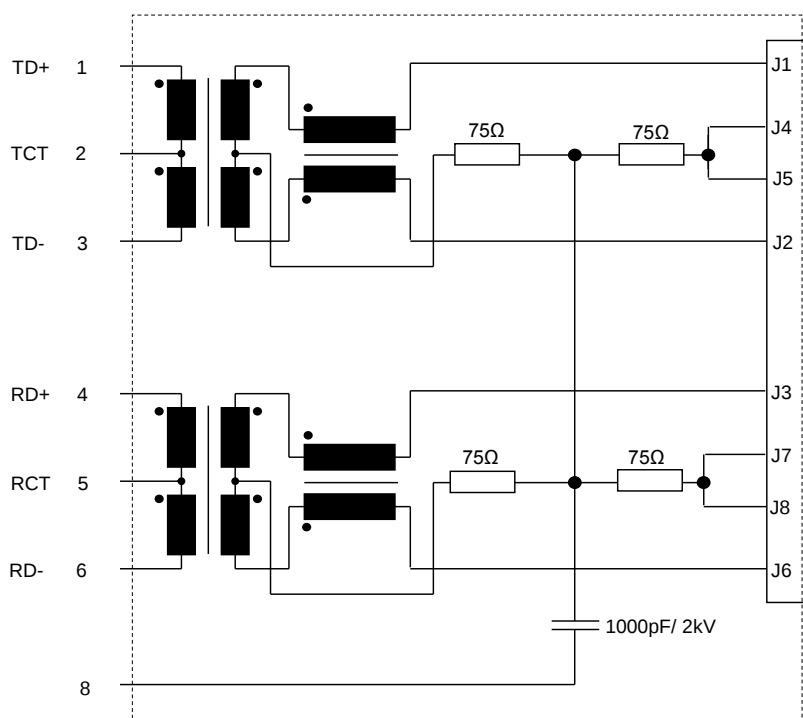
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H Schaltbild / Schematics :



Freigabe erteilt / general release:	Kunde / customer			
Datum / date	Unterschrift / signature	Mle	Revision 03	2014-09-15
	Würth Elektronik	LuRa	Revision 02	2014-02-14
		Mle	Revision 01	2012-09-04
		Mle	Revision 00	2011-02-14
Geprüft / checked	Kontrolliert / approved	Name	Änderung / modification	Datum / date

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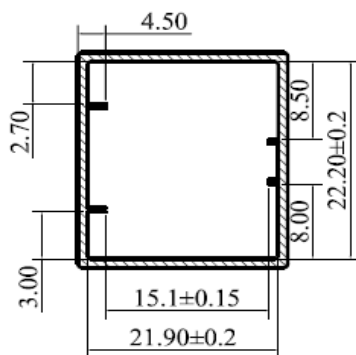
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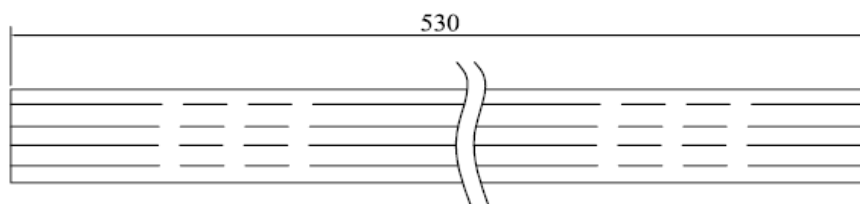
DATUM / DATE : 2014-09-15

I Rollenspezifikation / tape and reel specification :

Tube

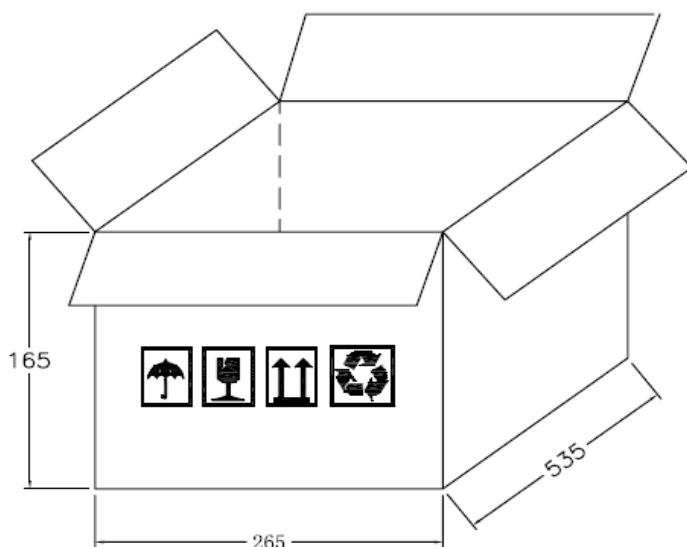


Profile view



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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