

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7499111221A

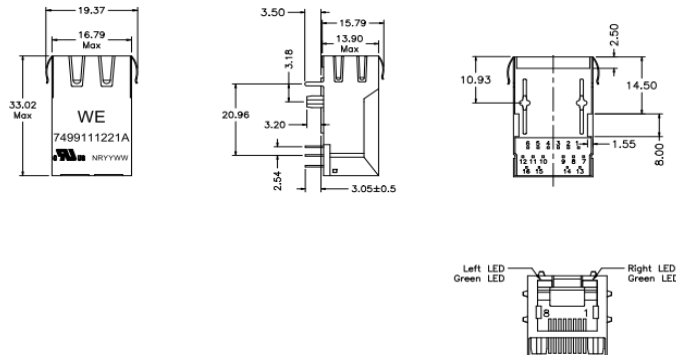
Bezeichnung : LAN-Übertrager WE-RJ45LAN 10/100/1000 BaseT

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

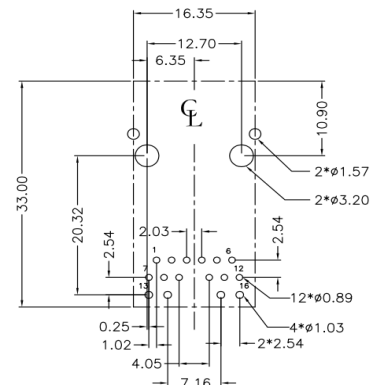


DATUM / DATE : 2014-09-03

A Mechanische Abmessungen / dimensions :

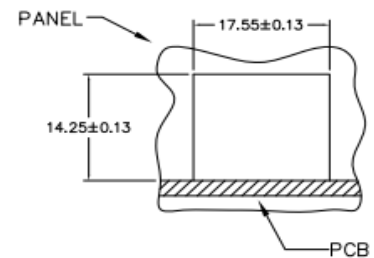


B Lötpad / soldering spec. :



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	-1,0	dB	max.
Return Loss	1-30MHz @ 100Ω	RL	-18	dB	min.
	30-60MHz @ 100Ω		-14		
	60-80MHz @ 100Ω		-12		
	80-100MHz @ 100Ω		-10		
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: 1,8-2,8 V/ 20mA
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 1000BaseT-Anwendungen gemäß IEEE 802.3ab /
Compliant with IEEE 802.3ab for 1000BaseT

Freigabe erteilt / general release:

Kunde / customer

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

LuRa	Revision 04	2014-09-03	
Mle	Revision 03	2013-06-11	
Mle	Revision 02	2012-06-25	
Mle	Revision 01	2012-04-02	
KSC	Revision 00	2009-11-11	
Name	Änderung / modification	Datum / date	

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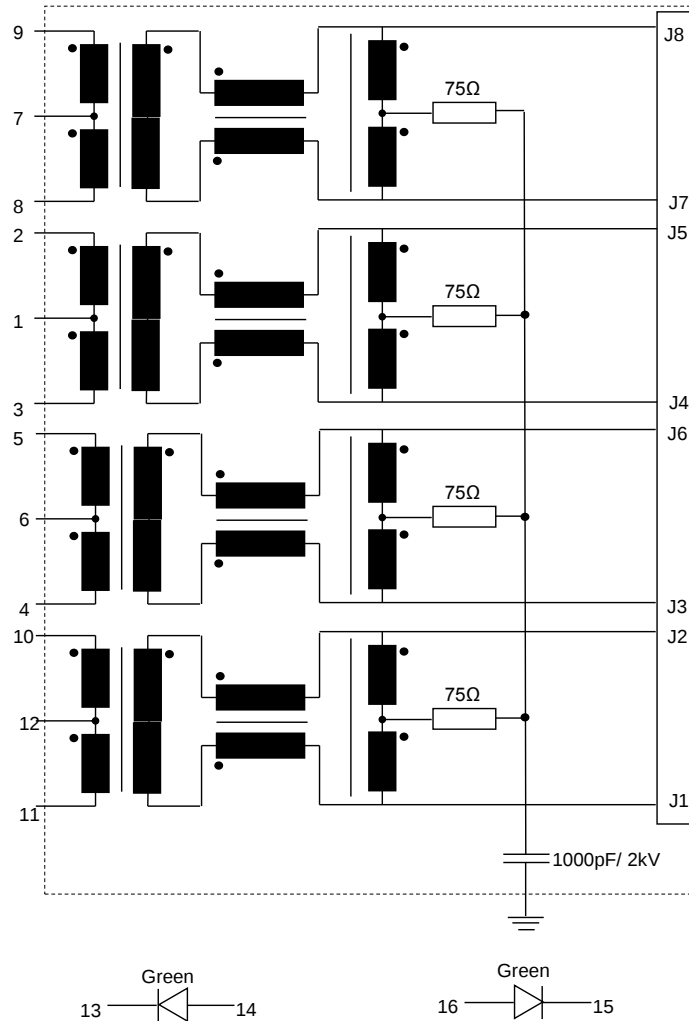


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H Schaltbild / Schematics :



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Datum / date	Unterschrift / signature	Mle	Revision 03	2013-06-11
	Würth Elektronik	Mle	Revision 02	2012-06-25
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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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