

Spezifikation für Freigabe / specification for release

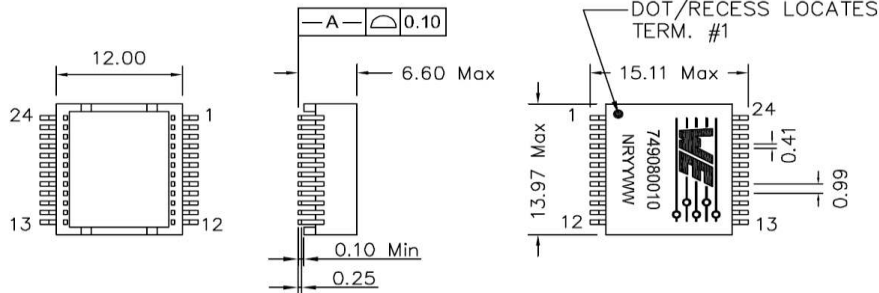
Kunde / customer :
 Artikelnummer / part number : **749080010**
 Bezeichnung : **LAN-Übertrager WE-LAN 2.5G/5G**
 description : **LAN-Transformer WE-LAN 2.5G/5G**



DATUM / DATE : 2017-07-04

A Mechanische Abmessungen / dimensions :

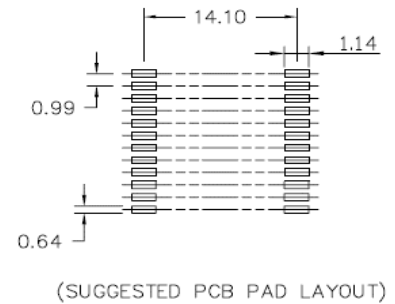
	2.5G/5G BaseT
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B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / Inductance	100kHz / 100mV @ 8mA DC-Bias	OCL	200	μH	min.
Übersetzungsverhältnis / Turns ratio	100kHz / 100mV	TR	1:1		±2%
Insertion Loss	100kHz-1MHz	IL	-3,0	dB	max.
	1MHz-250MHz		-1,3		
Return Loss	1MHz-40MHz	RL	-18,0	dB	min.
	40MHz-100MHz		-13,0		
	100MHz-200MHz		-10,0		
	200MHz-250MHz		-9,0		
Common to Differential Mode Rejection	1MHz-250MHz	CDMR	-30,0	dB	min.
Crosstalk	1MHz-100MHz	CT	-40,0	dB	min.
	100MHz-250MHz		-30,0		

C Lötpad / soldering spec. :



D Prüfgeräte / test equipment :

Agilent E5071C

E Testbedingungen / test conditions :

Luftfeuchtigkeit / Humidity: 33%
 Umgebungstemperatur / Temperature: +25°C

F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / Base material: Ferrit / Ferrite
 Draht / Wire: 0UEW/Y 180
 Kontaktmaterial / Contact plating: Cu-Ni-Sn
 Gehäuse / Case: UL94V-0
 Verguss / Potting: UL94V-0

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: -40°C - +85°C
 Hochspannungsprüfung / Hipot test: 1500Vrms 1min.
 Feuchteempfindlichkeit: MSL 1 / Humidity class: MSL 1

Freigabe erteilt / general release:	Kunde / customer	
.....
Datum / date	Unterschrift / signature	
.....	Würth Elektronik	
.....
Geprüft / checked	Kontrolliert / approved	
.....
	Name	Änderung / modification
	JaB	Datum / date
	Version 01	2017-04-07
	Preliminary	2016-10-17

Würth Elektronik eiSos GmbH & Co.KG

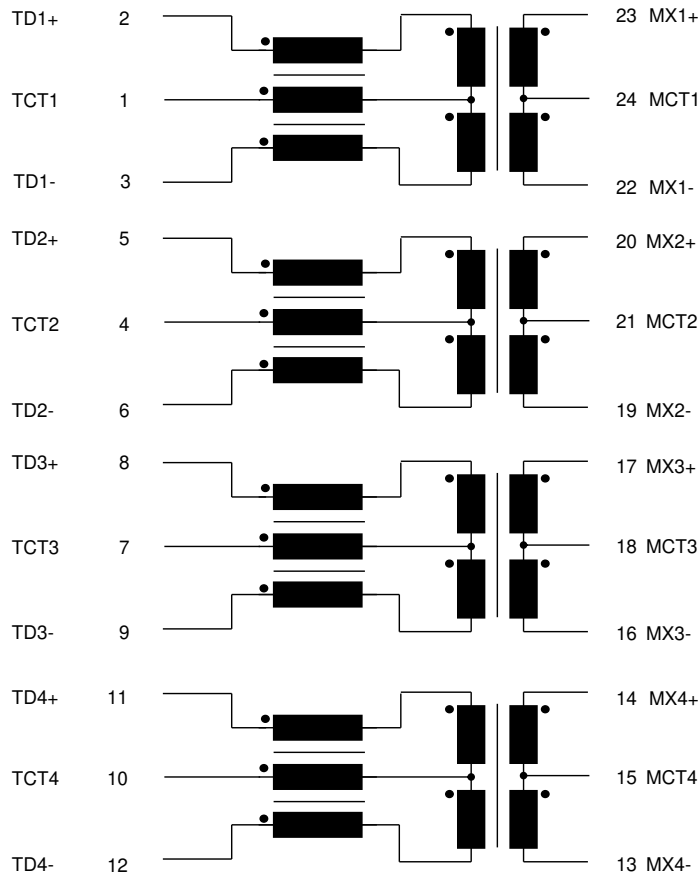
D-74638 Waldenburg · Max-Eyth-Straße 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 800
<http://www.we-online.com>

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H Schaltbild / Schematics :



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		JaB	Version 01
		JaB	Preliminary
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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.

Würth Elektronik eiSos GmbH & Co.KG

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