Spezifikation für Freigabe / specification for release

Kunde / customer :
Artikelnummer / part number : **749052050**

Bezeichnung : **LAN-Übertrager WE-LAN**
description : **LAN-Transformer WE-LAN**

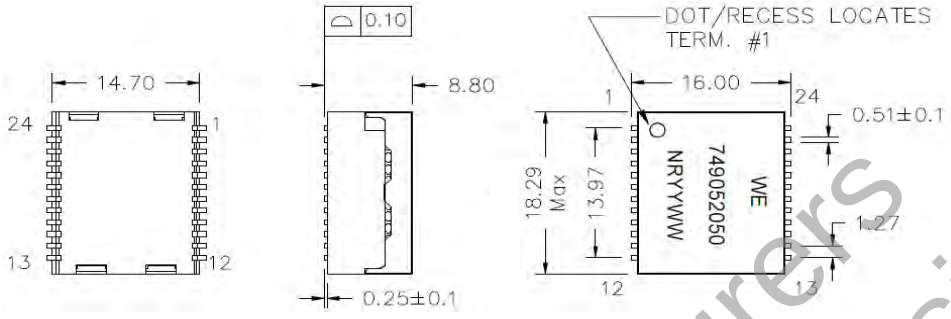
compliant RoHS WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

DATUM / DATE : 2015-05-13

A Mechanische Abmessungen / dimensions :

10G BaseT PoE+

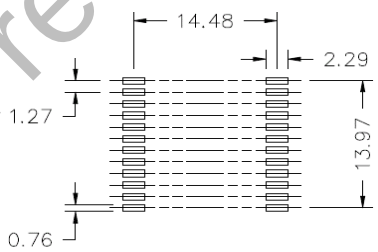


B Elektrische Eigenschaften / electrical properties :

Wurth-Midcom

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / Inductance	**100kHz / 100mV @ 32mA DC-Bias**	OCL	**120**	µH	**min.**
Übersetzungsverhältnis / Turns ratio	**100kHz / 100mV**	TR	**1:1**		**±2%**
Insertion Loss	**100KHz-1MHz**	IL	**-3,0**	dB	**max.**
	1MHz-250MHz		**-1,0**		
	250MHz-500MHz		**-2,5**		
Return Loss	**1-40MHz**	RL	**-20,0**	dB	**min.**
	100MHz		**-16,0**		
	200MHz		**-13,0**		
	250MHz		**-11,2**		
	400MHz		**-10,0**		
	500MHz		**-7,0**		
Common to Differential Mode Rejection	**1MHz-100MHz**	CDMR	**-35,0**	dB	**min.**
	100MHz-300MHz		**-30,0**		
	300MHz-500MHz		**-22,0**		
Common to Common Mode Rejection	**1MHz-100MHz**	CMRR	**-35,0**	dB	**min.**
	100MHz-250MHz		**-30,0**		
	250MHz-500MHz		**-25,0**		
Crosstalk	**1MHz-100MHz**	CT	**-40,0**	dB	**min.**
	100MHz-500MHz		**-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 180°C
Kontaktmaterial/ contact plating	Cu-Ni-Sn
Gehäuse / case	UL94-V0
Verguss / potting	UL94-V0

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: 0°C - + 70°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	Datum / date
Mle	Revision 03	2015-05-13
Jliu	Revision 02	2015-04-28
JaB	Revision 01	2015-02-13
Jliu	Revision 00	2014-10-17

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http://www.we-online.com

Refer to the manufacturers website for the latest revision of this datasheet

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DATUM / DATE : 2015-05-13

H PoE Eigenschaften :

Pins 1,4,7,10 Strombelastbarkeit 300 mA max.

Pins 15, 18, 21, 24 Strombelastbarkeit 1000 mA max.

Pins 13, 14, 16, 17, 19, 20, 22, 23 Strombelastbarkeit 600 mA max.
Designed für Applikationen bis 60W @57VDC
wenn zwei Kanäle bestromt
Designed für Applikationen bis 90W @57VDC
wenn alle vier Kanäle bestromt

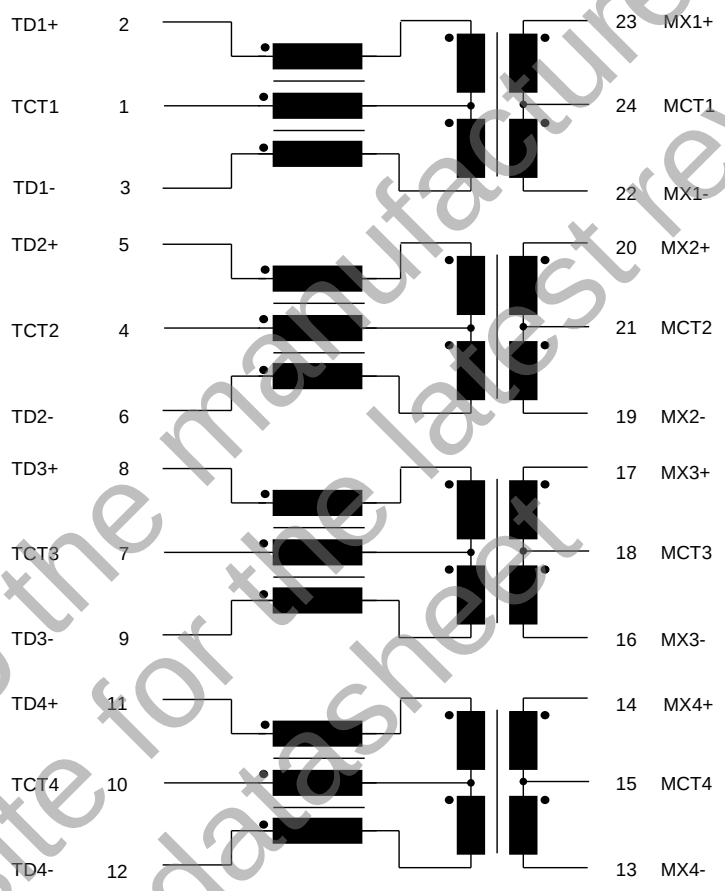
H PoE Specifications :

Pins 1,4,7,10 current rating 300 mA max.

Pins 15, 18, 21, 24 Current Rating 1000 mA max.

Pins 13, 14, 16, 17, 19, 20, 22, 23 current rating 600 mA max.
Designed to support applications up to 60W @57VDC
when using two channels
Designed to support applications up to 90W @57VDC
when using four channels

I Schaltbild / Schematics :



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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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