Spezifikation für Freigabe / specification for release

Kunde / customer :

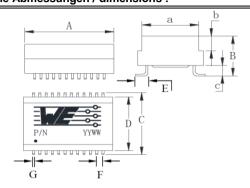
Artikelnummer / part number : 749020010A

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



DATUM / DATE : 2015-01-26

A Mechanische Abmessungen / dimensions :



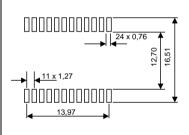
	1000 BaseT	
Α	17,50 ± 0,25	mm
В	6,00 max.	mm
С	15,24 ± 0,25	mm
D	14,20 ± 0,25	mm
Е	1,20 ± 0,05	mm
0	1,27 ± 0,05	mm
G	0,30 ± 0,10	mm
а	12,65 ± 0,25	mm
b	2,3 ± 0,25	mm
С	2,00 max.	mm

= Pin 1

B Elektrische Eigenschaften / electrical properties :

C Lötpad	1	soldering	spec.	
----------	---	-----------	-------	--

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.	
Induktivität /	100kHz / 100mV @ 8mA	OCL	001 250		min.	
Inductance	DC-Bias	OCL	350	μH	min.	
Übersetzungsverhältnis	100kHz / 100mV	TR	1:1	Tx	3%	
/ Turns ratio	TOOKITZ / TOOTITY	IIX	1:1	Rx	3%	
Insertion Loss	1-100MHz	IL	-1,0	dB	max.	
	1-40MHz @ 100Ω		-18			
Return Loss	50MHz @ 100Ω	RL	-16	dB	min.	
Return Loss	60-80MHz @ 100Ω	KL	KL	-12	uБ	1111111.
	100MHz @ 100Ω		-10			
Differential to Communi	30MHz		-43			
Differential to Common Mode Rejection	60MHz	DCMR	-37	dB	min.	
Mode Rejection	100MHz		-33			
Crosstalk	60MHz	СТ	-40	dB	min.	
Ciussiaik	100MHz		-35	uБ	111111.	



D Prüfgeräte / test equipment :

HP4395A

E Testbedingungen / test conditions :

Luftfeuchtigkeit / humidity: 33%
Umgebungstemperatur / temperature: +25°C

F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material:

Draht / wire:

Kontaktmaterial/ contact plating

Gehäuse / case

Verguss / potting

Ferrit/ ferrite

4UEW 155°C

Cu-Ni-Sn

UL94-V0

UL94-V0

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: $-40^{\circ}\text{C} - + 85^{\circ}\text{C}$ Hochspannungsprüfung / Hipot test: 1500Vrms 1min.

Geeignet für 1000BaseT-Anwendungen gemäß IEEE 802.3ab /

 $\label{eq:compliant} Compliant with IEEE~802.3ab~for~1000BaseT$ $Pins~mit~5~\mu m~Sn~vor~dem~Heißverzinnen~/$ $Pins~with~5~\mu m~Sn~before~hot~dipp~soldering$

Freigabe erteilt / general release:	Kunde / customer			
•				
		JaB	Revision 05	2015-01-26
		LuRa	Revision 04	2014-07-28
Datum / date	Unterschrift / signature	MLe	Revision 03	2014-01-10
	Würth Elektronik	MLe	Revision 02	2012-11-28
•		Mle	Revision 01	2012-10-31
		MLe	Revision 00	2012-10-10
Geprüft / checked	Kontrolliert / approved	Name	Änderung / modification	Datum / date

Würth Elektronik eiSos GmbH & Co.KG

Spezifikation für Freigabe / specification for release

Kunde / customer :

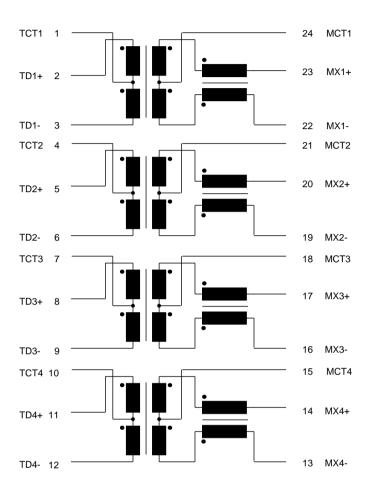
Artikelnummer / part number : 749020010A

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





H Schaltbild / Schematics :



Freigabe erteilt / general release:	Kunde / customer			
		JaB	Revision 05	2015-01-26
		LuRa	Revision 04	2014-07-28
Datum / date	Unterschrift / signature	MLe	Revision 03	2014-01-10
	Würth Elektronik	MLe	Revision 02	2012-11-28
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		MLe	Revision 00	2012-10-10
Geprüft / checked	Kontrolliert / approved	Name	Änderung / modification	Datum / date

Würth Elektronik eiSos GmbH & Co.KG

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Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : 749020010A

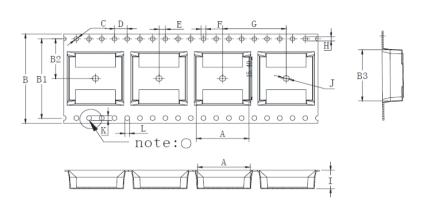
Bezeichnung : LAN-Übertrager WE-LAN description : LAN-Transformer WE-LAN

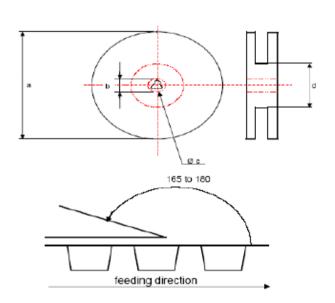




WÜRTH ELEKTRONIK

I Rollenspezifikation / tape and reel specification :





DATUM / DATE : 2015-01-26					
Gurtsp	Gurtspezifikation / Tape specification:				
Α	16,50 ± 0,10	mm			
В	32,00 ± 0,30	mm			
B1	28,40 ± 0,10	mm			
B2	14,20 ± 0,10	mm			
В3	17,93 ± 0,10	mm			
С	1,50 + 0,10/-0	mm			
D	4,00 ± 0,10	mm			
E	2,00 ± 0,10	mm			
F	1,50 + 0,10/-0	mm			
G	20,00 ± 0,10	mm			
Н	1,50 + 0,10/-0	mm			
I	6,60 ± 0,10	mm			
J	2,00 + 0,10/-0	mm			
K	1,70 + 0,10/-0	mm			
L	1,50 + 0,10/-0	mm			

Rollenspezifikation / Reel specification:			
а	330,0 ± 2,0	mm	
b	21,00 ± 0,8	mm	
С	13,60 ± 0,5	mm	
d	100,0 ± 1,0	mm	

Freigabe erteilt / general release:	Kunde / customer			
		JaB	Revision 05	2015-01-26
		LuRa	Revision 04	2014-07-28
Datum / date	Unterschrift / signature	MLe	Revision 03	2014-01-10
	Würth Elektronik	MLe	Revision 02	2012-11-28
		Mle	Revision 01	2012-10-31
		MLe	Revision 00	2012-10-10
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, submanine, 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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