

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

7490140117C

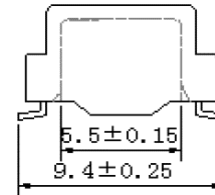
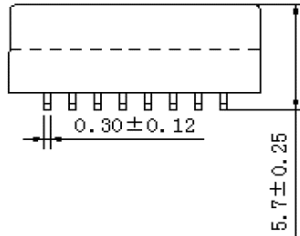
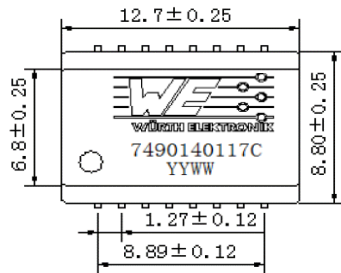
Bezeichnung : LAN-Übertrager WE-LAN High Voltage

description : LAN-Transformer WE-LAN High Voltage



DATUM / DATE : 2019-01-25

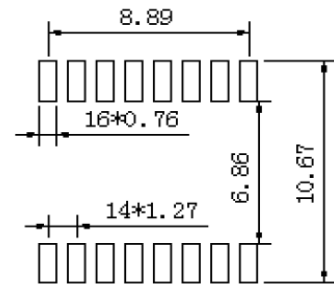
A Mechanische Abmessungen / dimensions :



B 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	-1,3	dB	max.
Return Loss	1-30MHz	RL	-18	dB	min.
	30-60MHz		-13		
	60-80MHz		-10		
	80-100MHz		-8		
Common Mode Rejection Ratio	1-30MHz	CMRR	-42	dB	min.
	30-60MHz		-37		
	60-100MHz		-33		
Crosstalk	1-60MHz	CT	-33	dB	min.
	60-100MHz		-30		

C Lötpad / soldering spec. :



SUGGESTED PAD LAYOUT

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: FIW (pri.)QPN180 (sec.)
 Kontaktmaterial / Contact plating: Cu-Ni-Sn
 Gehäuse / Case: UL 94V-0

G Eigenschaften / general specifications :

Betriebstemp. / Operating temperature: -40°C - +105°C
 Hochspannungsprüfung / Hipot test: 2500Vrms 1min.
 Designed gemäß IEC60601-1 mit 4mm min. Kriechstrecke und 2,4mm min. Luftstrecke für 1xMOOP
 Designed to comply with IEC60601-1 with 4mm min. creepage distance and 2,4mm min. clearance distance for 1xMOOP
 Basic insulation for 230 Vrms working voltage

Freigabe erteilt / general release:

Kunde / customer

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

JaB

Version 01

2019-01-25

Name

Änderung / modification

Datum / date

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

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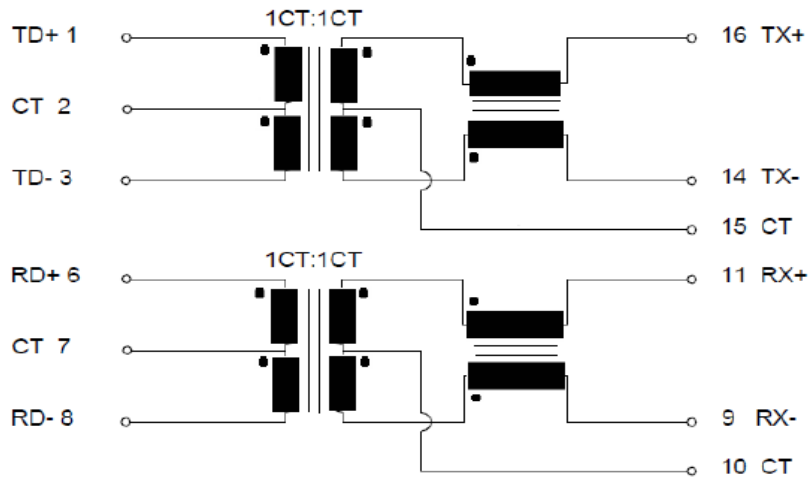
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H Schaltbild / Schematics :



.....				
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	Würth Elektronik			
.....				
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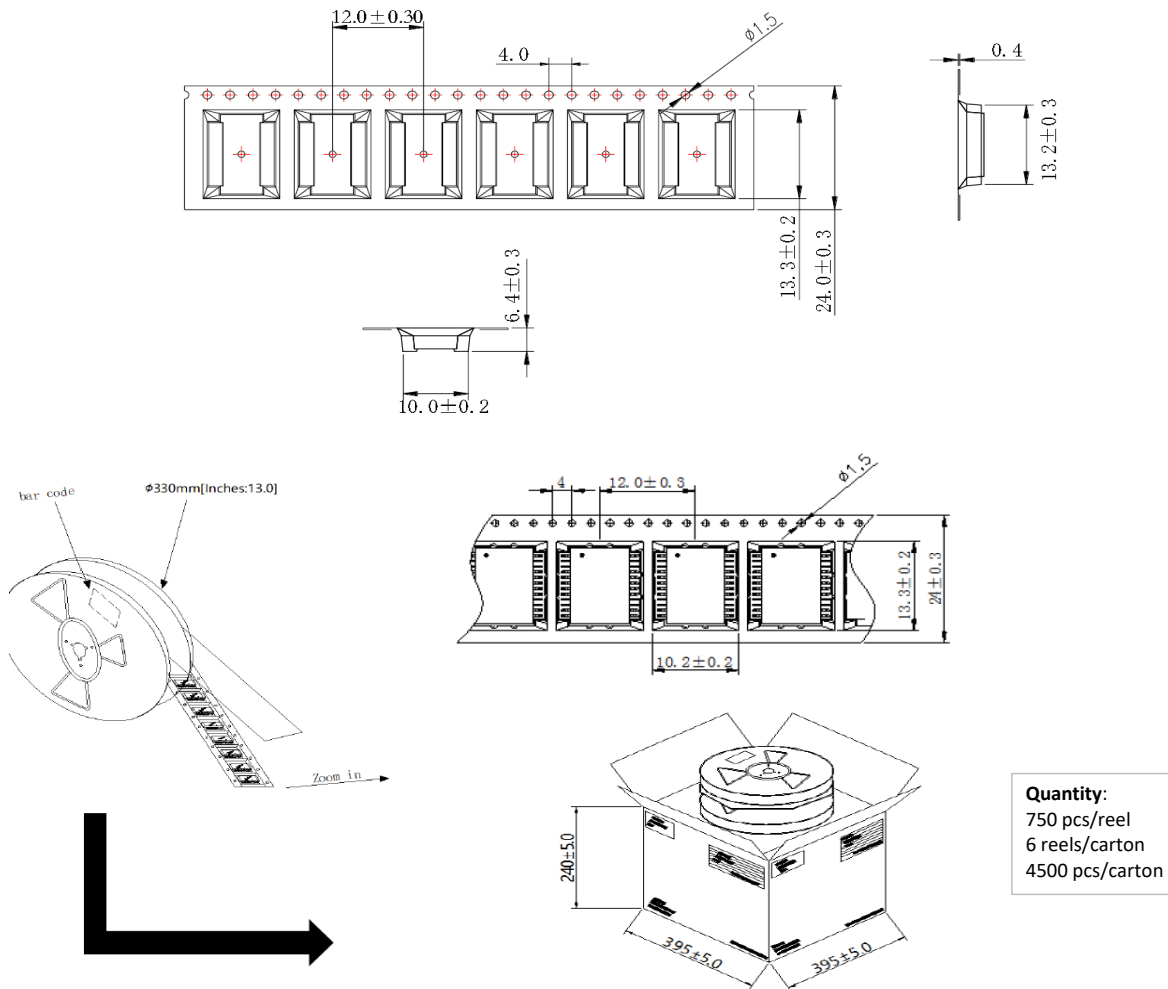
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 Bezeichnung : **LAN-Übertrager WE-LAN High Voltage**
 description : **LAN-Transformer WE-LAN High Voltage**



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I Rollenspezifikation / tape and reel specification :



Quantity:
 750 pcs/reel
 6 reels/carton
 4500 pcs/carton

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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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