

Spezifikation für Freigabe / specification for release

Kunde / customer :
 Artikelnummer / part number :

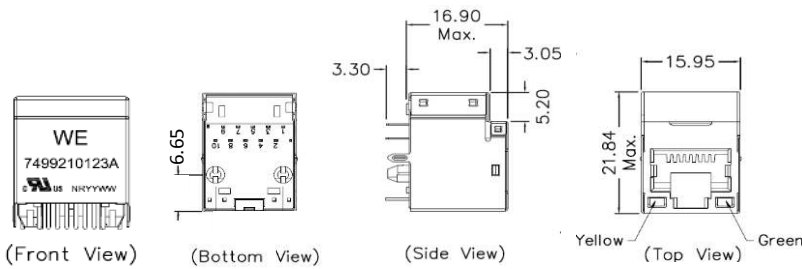
7499210123A



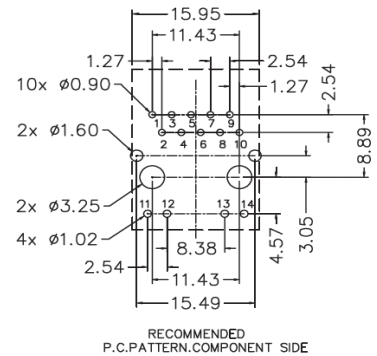
Bezeichnung : **LAN-Übertrager WE-RJ45LAN 10/100BaseT PoE**
 description : **LAN-Transformer WE-RJ45LAN 10/100BaseT PoE**

DATUM / DATE : 2017-11-07

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. |
| | 30-45MHz @ 100Ω | | -16 | | |
| | 45-60MHz @ 100Ω | | -14 | | |
| | 60-80MHz @ 100Ω | | -12 | | |
| Common Mode Rejection | 1-100MHz | CMR | -35 | dB | min. |
| Crosstalk | 1-100MHz | CT | -35 | 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: UEW/Y 180°C
 Kontaktmaterial/ contact plating: 100% tin w. nickel underplating
 15µ"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: -40°C - + 85°C
 Hochspannungsprüfung / Hipot test: 1500Vrms 1min.
 Stromtragfähigkeit / Current capability: 350mA
 Geeignet für PoE-Anwendungen gemäß IEEE 802.3af /
 Compliant with IEEE 802.3af for PoE-Applications

Freigabe erteilt / general release:

Kunde / customer

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

| | | |
|------|-------------------------|--------------|
| Mle | Revision 03 | 2017-11-07 |
| Mle | Revision 02 | 2017-10-30 |
| JaB | Revision 01 | 2015-04-16 |
| Name | Änderung / modification | Datum / date |

Würth Elektronik eiSos GmbH & Co.KG

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 http://www.we-online.com

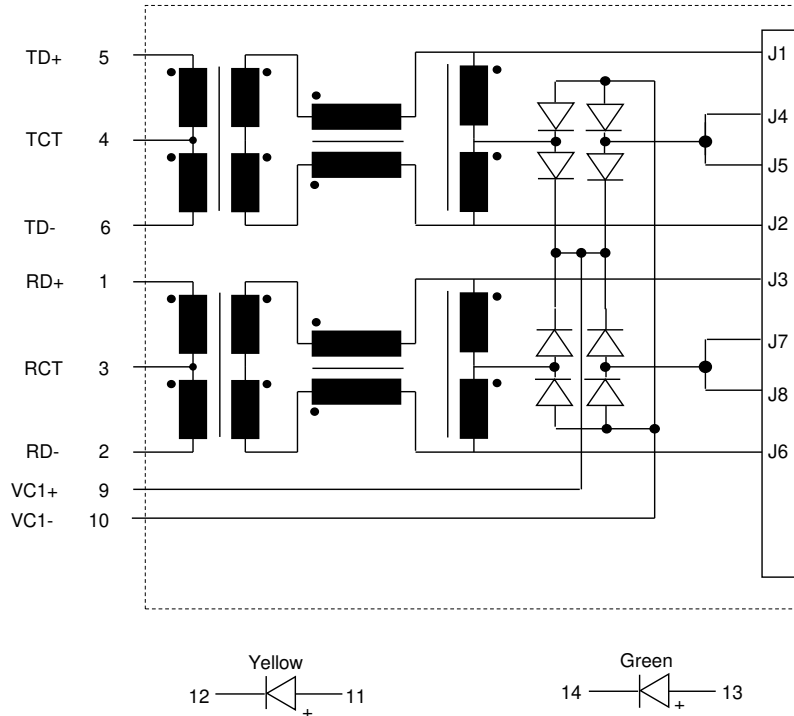
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H Schaltbild / Schematics :



| | | | | |
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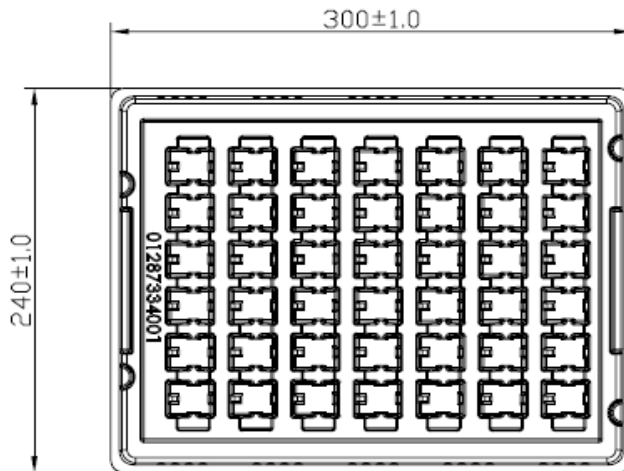
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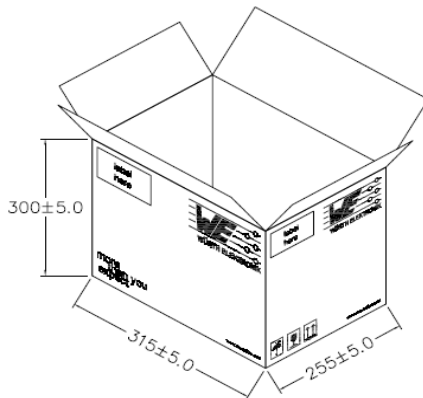
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I Verpackungsspezifikation / package specification :

Tray:



Carton:



Packing Quantity:

tray = 42 pcs
 carton = 504 pcs

dimensions in mm

| | | | |
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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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