

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

749053012



Bezeichnung :

LAN-Übertrager WE-LAN 10G

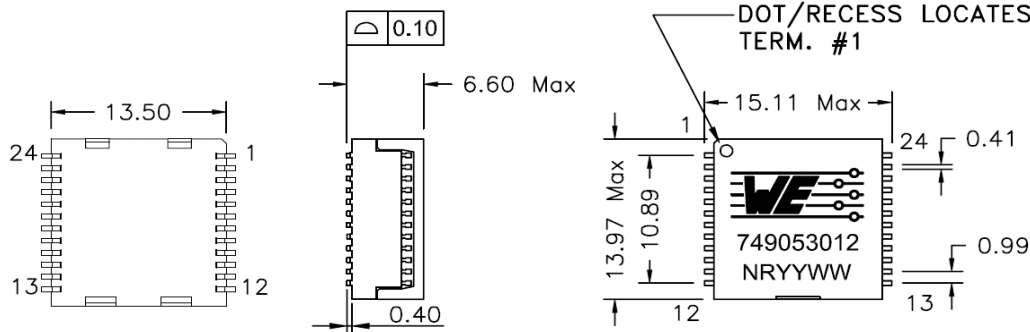
description :

LAN-Transformer WE-LAN 10G

DATUM / DATE : 2017-12-01

A Mechanische Abmessungen / dimensions :

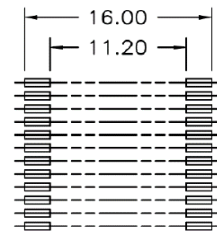
| | |
|--|-----------------------|
| | 10G BaseT PoE+ |
|--|-----------------------|



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 | | -1,0 | | |
| | 250MHz-500MHz | | -3,0 | | |
| Return Loss | 1-40MHz | RL | -20,0 | dB | min. |
| | 100MHz | | -16,0 | | |
| | 200MHz | | -13,0 | | |
| | 250MHz | | -11,2 | | |
| | 500MHz | | -8,0 | | |
| Common to Differential Mode Rejection | 1MHz-100MHz | CDMR | -35,0 | dB | min. |
| | 100MHz-250MHz | | -30,0 | | |
| | 250MHz-500MHz | | -25,0 | | |
| Common to Common Mode Rejection | 1MHz-100MHz | CMRR | -35,0 | dB | min. |
| | 100MHz-300MHz | | -30,0 | | |
| | 300MHz-500MHz | | -25,0 | | |
| Crosstalk | 1MHz-100MHz | CT | -40,0 | dB | min. |
| | 100MHz-500MHz | | -30,0 | | |

C Lötpad / soldering spec. :



(SUGGESTED PCB 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: 0UEW 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 | JaB | Version 04 | 2017-12-01 |
| | Würth Elektronik | JaB | Version 03 | 2017-10-13 |
| | | JaB | Version 02 | 2016-08-09 |
| | | JaB | Version 01 | 2015-11-02 |
| Geprüft / checked | Kontrolliert / approved | Name | Änderung / modification | Datum / date |

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http://www.we-online.com

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 description : **LAN-Transformer WE-LAN 10G**



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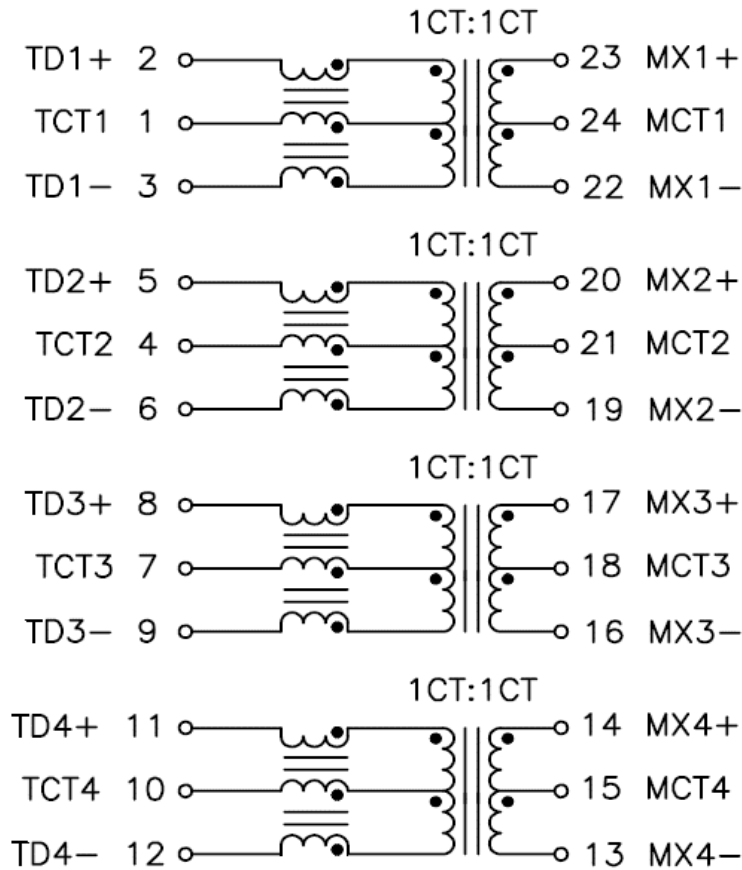
H PoE Eigenschaften :

Designed für Applikationen bis 15W @57VDC
 wenn zwei Kanäle bestromt
 Designed für Applikationen bis 30W @57VDC
 wenn alle vier Kanäle bestromt

H PoE Specifications :

Designed to support applications up to 15W @57VDC
 when using two channels
 Designed to support applications up to 30W @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

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