# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **749118115**

Bezeichnung : **Netzteil-Übertrager WE-UNIT**

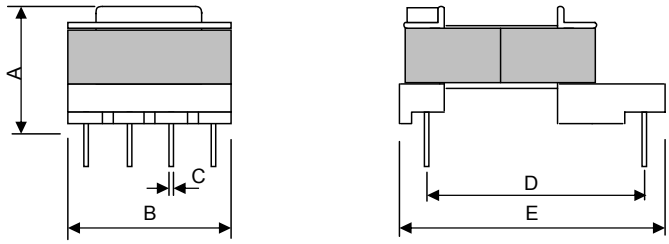
description : **Off-line transformer WE-UNIT**

compliant RoHS WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

**DATUM / DATE : 2007-07-26**

## A Mechanische Abmessungen / dimensions :



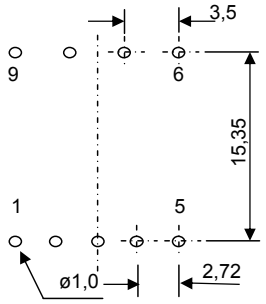

| | EF12.6 | |
|---|---|---|
| A | **12,0 max.** | mm |
| B | **15,0 max.** | mm |
| C | **ø0,6 typ.** | mm |
| D | **15,35 typ.** | mm |
| E | **21,5 max.** | mm |
| | | |
| | | |
| | | |

● = Marking Pin 1

## B Elektrische Eigenschaften / electrical properties :

| Eigenschaften / properties | Testbedingungen / test conditions | | Wert / value | Einheit / unit | tol. |
|---|---|---|---|---|---|
| Induktivität / inductance | **10 kHz / 0,1 V** | $L_0$ | **2,8** | mH | **±10%** |
| Windungszahlverhältnis / turns ratio | **W1 : W2** | TR | **18,9 : 1** | | **±3%** |
| DC-Widerstand W1 / DC-resistance W1 | **@ 20°C** | $R_{DC1}$ | **8,0** | Ω | **max.** |
| DC-Widerstand W2 / DC-resistance W2 | **@ 20°C** | $R_{DC2}$ | **50** | mΩ | **max.** |
| Streuinduktivität / leakage inductance | **10 kHz / 0,1V W2 kurz** | $L_s$ | **180** | µH | **max.** |
| Hochspannung / hipot test | **3mA, 1s W1 => W2** | HV | **4,0** | kV | |

## C Lötpad / soldering spec. :




## D Prüfgeräte / test equipment :

**WK3260B** für / for L und / and R

## E Testbedingungen / test conditions :

| | |
|---|---|
| Luftfeuchtigkeit / humidity: | 33% |
| Umgebungstemperatur / temperature: | +20°C |

## F Werkstoffe & Zulassungen / material & approvals :

| | |
|---|---|
| Basismaterial / base material: | Ferrit/ ferrite |
| Spulenkörper / Bobbin: | UL-V0 |
| Draht / wire: | 2UEW-F 155°C / TRW(B) |
| Kontaktmaterial / contact plating: | Cu-Ni-Sn |
| Tränklack / Varnish: | V1630FS or equiv. |

## G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: -40°C - + 125°C

Umgebungstemp. / ambient temperature: -40°C - + 85°C

It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.

Schaltfrequenz / Switching frequency: 132 kHz

Bauteil für Netzanwendung / Off-line transformer

Freigabe erteilt / general release:

| Kunde / customer | |
|---|---|
| Datum / date | Unterschrift / signature |
| **Würth Elektronik** | |
| Geprüft / checked | Kontrolliert / approved |

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| | | |
| TBr | Version 2 | 2007-07-26 |
| TBr | Version 1 | 2006-07-26 |
| Name | **Änderung / modification** | Datum / date |


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http://www.we-online.com

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description : **Off-line transformer WE-UNIT**

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## H 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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