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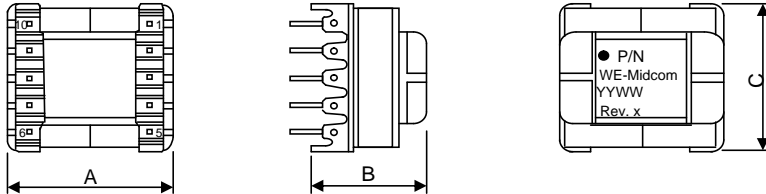
## Spezifikation für Freigabe / specification for release

Kunde / customer : **Preliminary**  
 Artikelnummer / part number : **760871631**  
 Bezeichnung : **Netzteil-Übertrager WE-UNIT**  
 description : **Offline-transformer WE-UNIT**



DATUM / DATE : 2009-07-08

### A Mechanische Abmessungen / dimensions :



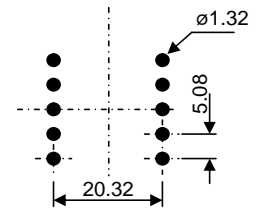
|   | EE25              |    |
|---|-------------------|----|
| A | <b>29.21 max.</b> | mm |
| B | <b>21.59 max.</b> | mm |
| C | <b>27.94 max.</b> | mm |
| D |                   | mm |
| E |                   | mm |
|   |                   |    |
|   |                   |    |

● = Marking Pin 1

### B Elektrische Eigenschaften / electrical properties :

| Eigenschaften / properties             | Testbedingungen / test conditions            |           | Wert / value         | Einheit / unit | tol.        |
|--|--|-----------|----------------------|----------------|-------------|
| Induktivität / inductance              | <b>10 kHz / 0,1 V</b>                        | $L_0$     | <b>2.2</b>           | mH             | <b>±10%</b> |
| Windungszahlverhältnis / turns ratio   | <b>N1 : N2 : N3 : N4</b>                     | TR        | <b>14.4:1:0.75:3</b> |                | <b>±3%</b>  |
| DC-Widerstand N1 / DC-resistance N1    | <b>@ 20°C</b>                                | $R_{DC1}$ | <b>4.2</b>           | $\Omega$       | <b>max.</b> |
| DC-Widerstand N2 / DC-resistance N2    | <b>@ 20°C</b>                                | $R_{DC2}$ | <b>41.0</b>          | m $\Omega$     | <b>max.</b> |
| DC-Widerstand N3 / DC-resistance N3    | <b>@ 20°C</b>                                | $R_{DC3}$ | <b>17.0</b>          | m $\Omega$     | <b>max.</b> |
| DC-Widerstand N4 / DC-resistance N4    | <b>@ 20°C</b>                                | $R_{DC4}$ | <b>2.15</b>          | $\Omega$       | <b>max.</b> |
| Streuinduktivität / leakage inductance | <b>100 kHz / 0,1V<br/>N2, N3, N4 shorted</b> | $L_s$     | <b>30</b>            | $\mu$ H        | <b>max.</b> |
| Hochspannung / hipot test              | <b>3mA, 1min.<br/>N1, N4 =&gt; N2, N3</b>    | HV        | <b>4.0</b>           | kV             |             |
| Hochspannung / hipot test              | <b>3mA, 1min.<br/>N1 =&gt; N4</b>            | HV        | <b>1.5</b>           | 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 / TCA3  
 Kontaktmaterial / contact plating: Cu-Ni-Sn  
 Tränklack / Varnish: Dolph BC346A or equiv.

### G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: -40°C - + 125°C  
 Umgebungstemp. / ambient temperature: -40°C - + 75°C  
 It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.  
 Schaltfrequenz / Switching frequency: 100 kHz



Bauteil für Netzanwendung / Off-line transformer

|                                     |                          |        |                         |
|-------------------------------------|--------------------------|--------|-------------------------|
| Freigabe erteilt / general release: | <b>Kunde / customer</b>  |        |                         |
|                                     |                          |        |                         |
| .....                               | .....                    |        |                         |
| Datum / date                        | Unterschrift / signature |        |                         |
|                                     | <b>Würth Elektronik</b>  |        |                         |
| .....                               | .....                    |        |                         |
| Geprüft / checked                   | Kontrolliert / approved  |        | TBr                     |
|                                     |                          | Rev.00 | 2009-07-08              |
|                                     |                          | Name   | Änderung / modification |
|                                     |                          |        | Datum / date            |

Würth Elektronik eiSos GmbH & Co.KG

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Kunde / customer :

Artikelnummer / part number : **760871631**

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

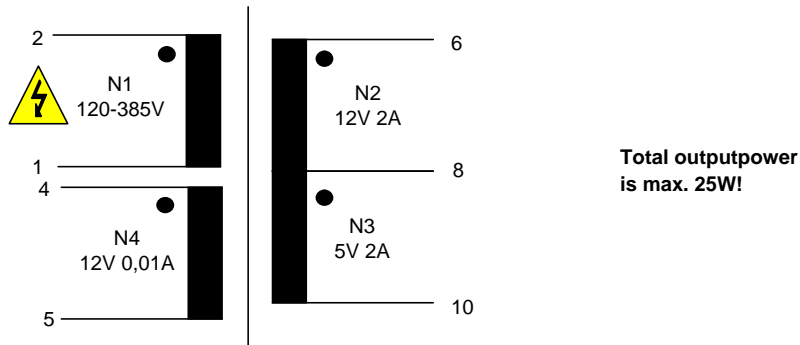
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**WÜRTH ELEKTRONIK**

DATUM / DATE : 2009-07-08

**H Schaltbild / Schematics**



|                                     |                                |                         |              |
|-------------------------------------|--------------------------------|-------------------------|--------------|
| Freigabe erteilt / general release: | <b>Kunde / customer</b>        |                         |              |
|                                     |                                |                         |              |
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|                                     | <b>Würth Elektronik</b>        |                         |              |
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|                                     | TBr                            | Rev.00                  | 2009-07-08   |
|                                     | 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, 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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