

# Spezifikation für Freigabe / specification for release

Kunde / customer :

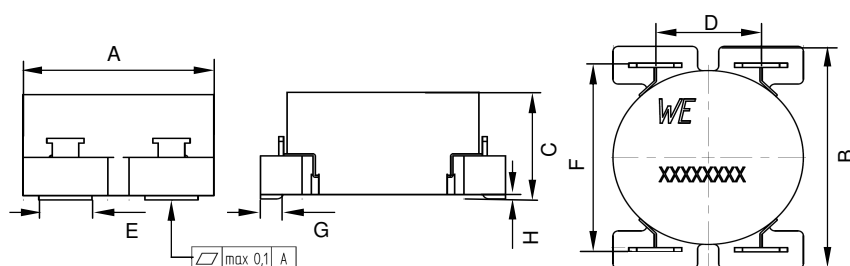
Artikelnummer / part number : 7446630047

Bezeichnung : STROMKOMPENSIERTE DROSSEL WE-LF SMD  
description : CURRENT-COMPENSATED CHOKE WE-LF SMD



DATUM / DATE : 2008-08-20

## A Mechanische Abmessungen / dimensions:

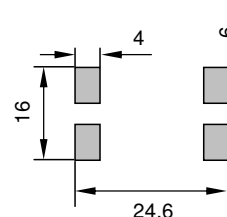


| Gehäuse / case: SH |            |    |
|--------------------|------------|----|
| A                  | 18,5 max.  | mm |
| B                  | 23,3 max.  | mm |
| C                  | 11,5 max.  | mm |
| D                  | 10 ± 0,2   | mm |
| E                  | 5 ± 0,2    | mm |
| F                  | 19,6 ± 0,3 | mm |
| G                  | 2,1 ± 0,1  | mm |
| H                  | 0,4 typ.   | mm |

## B Elektrische Eigenschaften / electrical properties:

| Eigenschaften / properties         | Testbedingungen / test conditions |                 | Wert / value | Einheit / unit | tol. |
|------------------------------------|-----------------------------------|-----------------|--------------|----------------|------|
| Leerlauf-Induktivität / inductance | 10 kHz / 0,1 mA / 20 °C           | L <sub>O</sub>  | 47,00        | mH             | ±30% |
| DC-Widerstand / DC-resistance      | @ 20 °C                           | R <sub>DC</sub> | 2,60         | Ω              | ±10% |
| Nennstrom / rated current          | @ 70 °C                           | I <sub>N</sub>  | 0,30         | A              |      |
| Nennspannung / rated voltage       | 50 Hz                             | U <sub>N</sub>  | 250          | V              |      |

## C Lötpad / land pattern.:



## D Prüfgeräte / test equipment:

WAYNE KERR WK3260B/WK3265 für/for L<sub>O</sub> und/and R<sub>DC</sub>  
HP 34401 A für/for IN

## E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity: 33%  
Umgebungstemperatur / temperature: +25 °C  
Prüfspannung / testing voltage: 1500 V, 50 Hz  
5mA, 2 sec.

## F Werkstoffe & Zulassungen / material & approvals:

Sockel / base: UL94V-0  
Draht / wire: Class F  
Kleber / glue: UL94V-2  
Abstandhalter / spacer: UL94V-0

## G Eigenschaften / general specifications:

Klimabeständigkeit/ climatic class: 40/125/21  
Betriebstemp. / operating temperature: -25 °C - + 125 °C  
Übertemperatur / temperature rise: < 55 K  
It is recommended that the temperature of the part does not exceed 125 °C under worst case operating conditions.

Freigabe erteilt / general release:

Kunde / customer

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

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**

D-74638 Waldenburg · Max-Eyth-Strasse 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400  
<http://www.we-online.com>

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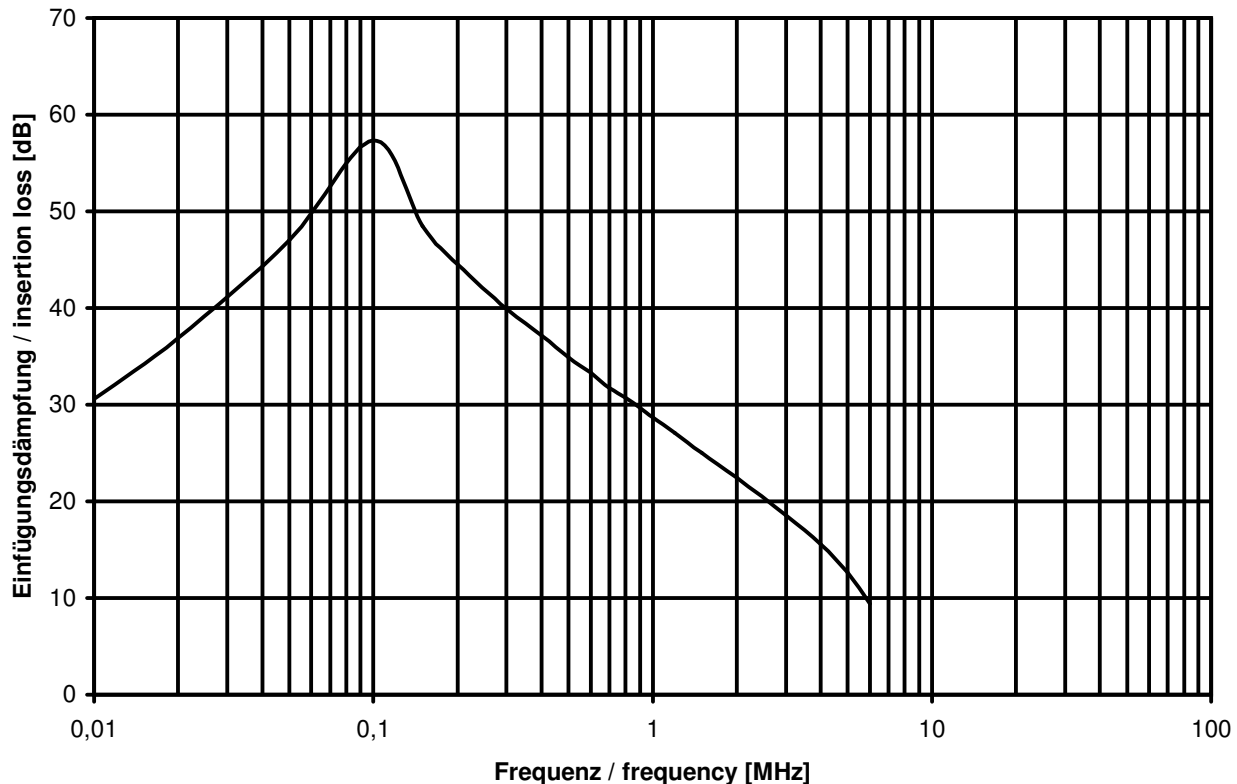
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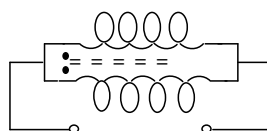
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## H Einfügdämpfung / insertion loss:

### typischer Dämpfungsverlauf / typical attenuation curve



common mode



|                                                                                   |  |      |                         |              |
|-----------------------------------------------------------------------------------|--|------|-------------------------|--------------|
| <div></div> <div>Datum / date</div>                                               |  |      |                         |              |
|                                                                                   |  |      |                         |              |
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| <div></div> <div>Geprüft / checked</div> <div>Geprüft / checked</div>             |  |      |                         |              |
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