

# Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number: **744764115**

LF

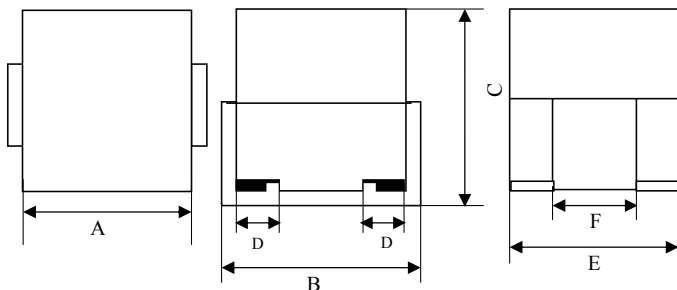


Bezeichnung : **SMD-HF-Entstördrossel WE-GF**

description : **SMD-RF-Choke WE-GF**

DATUM / DATE : 2004-10-11

## A Mechanische Abmessungen / dimensions :

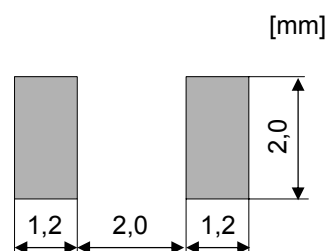


|   | Typ / Type M     |    |
|---|------------------|----|
| A | <b>2,9 ± 0,2</b> | mm |
| B | <b>3,2 ± 0,4</b> | mm |
| C | <b>2,2 ± 0,2</b> | mm |
| D | <b>0,6 ref.</b>  | mm |
| E | <b>2,5 ± 0,2</b> | mm |
| F | <b>1,0</b>       | mm |

## B Elektrische Eigenschaften / electrical properties :

| Eigenschaften / properties               | Testbedingungen / test conditions |                 | Wert / value | Einheit / unit | tol.        |
|------------------------------------------|-----------------------------------|-----------------|--------------|----------------|-------------|
| Induktivität / inductance                | <b>2,52 MHz</b>                   | L               | <b>15,00</b> | μH             | <b>±10%</b> |
| Güte Q / Q factor                        | <b>2,52 MHz</b>                   | Q               | <b>30</b>    |                | <b>min.</b> |
| DC-Widerstand / DC-resistance            |                                   | R <sub>DC</sub> | <b>2,80</b>  | Ω              | <b>max.</b> |
| Nennstrom / rated current                |                                   | I <sub>DC</sub> | <b>130</b>   | mA             | <b>max.</b> |
| Eigenres.-Frequenz / self-res.-frequency |                                   | SRF             | <b>20</b>    | MHz            | <b>typ.</b> |

## C Lötpad / soldering spec.:



## D Prüfgeräte / test equipment :

**HP 4291 B** für/for L und/and Q

**HP 4338 B** für/for R<sub>DC</sub>

**HP 4284 A** für/for I<sub>DC</sub>

**HP 8722 D** für/for SRF

## E Testbedingungen / test conditions :

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

## F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material: **Ferrit / ferrite**  
Anschlusspad/ Terminal: **Cu/Sn**  
Gehäuse/ Housing: **UL94-V0**

## G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: **-40°C - + 105°C**  
Umgebungstemp. / ambient temperature: **-40°C - + 85°C**  
It is recommended that the temperature of the part does not exceed 105°C under worst case operating conditions.

|                                     |                          |      |                         |              |
|-------------------------------------|--------------------------|------|-------------------------|--------------|
| Freigabe erteilt / general release: | <b>Kunde / customer</b>  |      |                         |              |
|                                     |                          |      |                         |              |
|                                     |                          |      |                         |              |
| Datum / date                        | Unterschrift / signature | MST  | Version 4               | 04-10-11     |
|                                     | <b>Würth Elektronik</b>  | SST  | Version 3               | 03-05-20     |
|                                     |                          | MST  | Version 2               | 02-03-27     |
|                                     |                          | MST  | Version 1               | 02-03-28     |
| Geprüft / checked                   | Kontrolliert / approved  | Name | Änderung / modification | Datum / date |

This electronic component is designed and developed with the intention for use in general electronics equipments. Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body. In addition, even electronic component in general electrics equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before use. It is essential to give consideration when to install a protective circuit at the design stage.

**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>