

# Spezifikation für Freigabe / specification for release

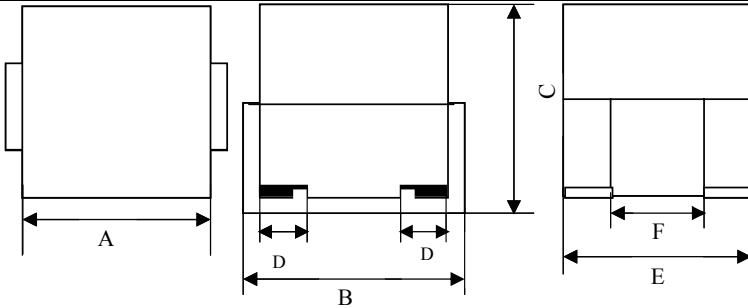
Kunde / customer :  
 Artikelnummer / part number : **744766082**  
 Bezeichnung : **SMD-HF-Entstördrossel WE-GF**  
 description : **SMD-RF-Choke WE-GF**

LF



DATUM / DATE : 2004-10-11

## A Mechanische Abmessungen / dimensions :

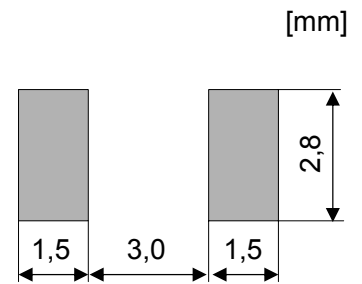


	Typ / Type L	
A	4,2 ± 0,2	mm
B	4,5 ± 0,3	mm
C	3,2 ± 0,4	mm
D	1,0 ref.	mm
E	3,2 ± 0,2	mm
F	1,2	mm

## B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	7,96 MHz	L	8,20	µH	±10%
Güte Q / Q factor	7,96 MHz	Q	50		min.
DC-Widerstand / DC-resistance		R <sub>DC</sub>	1,40	Ω	max.
Nennstrom / rated current		I <sub>DC</sub>	270	mA	max.
Eigenres.-Frequenz / self-res.-frequency		SRF	25	MHz	typ.

## C Lötspad / 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:	Kunde / customer		
Datum / date	Unterschrift / signature		
Geprüft / checked	Würth Elektronik		
	MST	Version 4	04-10-11
	AG/LF/MST	Version 3	03-12-04
	MST	Version 2	02-03-27
	JH	Version 1	00-12-06
Geprüft / checked	Kontrolliert / approved		Datum / date
	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 etc. 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 electronic 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**

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