

# Spezifikation für Freigabe / specification for release

Kunde / customer : \_\_\_\_\_

Artikelnummer / part number : **744758339A**

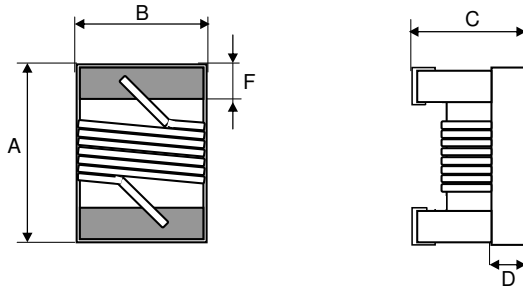
Bezeichnung : **Hochstrom HF-Induktivität WE-RFH**

description : **High Current RF-Inductor WE-RFH**



DATUM / DATE : 2007-11-28

## A Mechanische Abmessungen / dimensions:

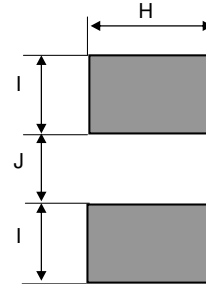


|   | Größe / size 1008 |    |
|---|-------------------|----|
| A | 2,6 ± 0,2         | mm |
| B | 2,1 ± 0,2         | mm |
| C | 1,7 ± 0,2         | mm |
| D | 0,7 ref.          | mm |
| F | 0,5 ± 0,1         | mm |
| H | 2,2 ref.          | mm |
| I | 0,9 ref.          | mm |
| J | 1,2 ref.          | mm |

## B Elektrische Eigenschaften / electrical properties:

| Eigenschaften / properties               | Testbedingungen / test conditions |                 | Wert / value | Einheit / unit | tol. |
|------------------------------------------|-----------------------------------|-----------------|--------------|----------------|------|
| Induktivität / inductance                | 7,96 MHz                          | L               | 3,9          | μH             | ±5%  |
| Güte Q / Q factor                        | 7,96 MHz                          | Q               | 20           |                | min. |
| DC-Widerstand / DC-resistance            |                                   | R <sub>DC</sub> | 1,50         | Ω              | max. |
| Nennstrom / rated current                | ΔT = 15 K                         | I <sub>DC</sub> | 420          | mA             | max. |
| Eigenres.-Frequenz / self-res.-frequency |                                   | SRF             | 105          | MHz            | min. |

## C Lötpad / soldering spec.:



## D Prüfgeräte / test equipment:

Agilent E4991A + 16197A für/for L und/and Q  
 HP 4338B für/for R<sub>DC</sub>  
 HP 4285A + 42841A + 42842C + 42851-6110 für/for I<sub>DC</sub>  
 ENA 5071B für/for SRF

## E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity: 60 ... 70%  
 Umgebungstemperatur / temperature: 25 °C

## F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: Ferrit/ Ferrite  
 Kontaktmaterial / contact plating: Ag/Pd + Ni + Sn

## G Eigenschaften / general specifications:

Umgebungstemperatur / ambient temperature: -40 °C ~ +70 °C  
 Betriebstemperatur / operating temperature: -40 °C ~ +85 °C  
 Lagerbedingungen / storage conditions: -10 °C ~ +40 °C  
 20 ~ 70% RH

|                                     |                          |      |                         |              |
|-------------------------------------|--------------------------|------|-------------------------|--------------|
| Freigabe erteilt / general release: | Kunde / customer         |      |                         |              |
|                                     |                          |      |                         |              |
|                                     |                          |      |                         |              |
|                                     |                          |      |                         |              |
| Datum / date                        | Unterschrift / signature |      |                         |              |
|                                     | Würth Elektronik         |      |                         |              |
|                                     |                          |      |                         |              |
| Geprüft / checked                   | Kontrolliert / approved  | SKLE | Version 1               | 07-11-28     |
|                                     |                          | 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>