chanhvinh.com

# Spezifikation für Freigabe / specification for release

Kunde / customer : _____

Artikelnummer / part number : **744760322A** LF

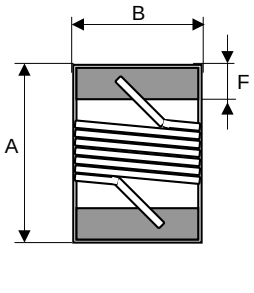
Bezeichnung : **Ferrit-SMD-Induktivität WE-RFI**
description : **Ferrite-SMD-Inductor WE-RFI**

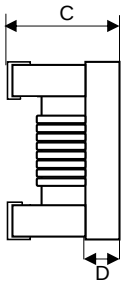
compliant RoHS WÜRTH ELEKTRONIK

WÜRTH ELEKTRONIK

**DATUM / DATE : 2007-01-17**

## A Mechanische Abmessungen / dimensions:



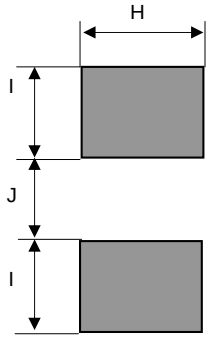




| | Größe / size 0805 | |
|---|---|---|
| A | **2,0 ± 0,2** | mm |
| B | **1,25 ± 0,2** | mm |
| C | **1,2 ± 0,2** | mm |
| D | **0,5 ref.** | mm |
| F | **0,4 ± 0,1** | mm |
| H | **1,2** | mm |
| I | **0,925** | mm |
| J | **0,75** | mm |

## B Elektrische Eigenschaften / electrical properties:

| Eigenschaften / properties | Testbedingungen / test conditions | | Wert / value | Einheit / unit | tol. |
|---|---|---|---|---|---|
| Induktivität / inductance | **7,96 MHz** | L | **2200** | nH | **±5%** |
| Güte Q / Q factor | **7,96 MHz** | Q | **15** | | **min.** |
| DC-Widerstand / DC-resistance | | $R_{DC}$ | **3,10** | Ω | **max.** |
| Nennstrom / rated current | **ΔT = 15 K** | $I_{DC}$ | **110** | mA | **max.** |
| Eigenres.-Frequenz / self-res.-frequency | | SRF | **110** | MHz | **min.** |

## C Lötpad / soldering spec.:




## D Prüfgeräte / test equipment:

**Agilent 4287A + HP 16193A** für/for L und/and Q

**HP 4338B** für/for $R_{DC}$

**HP 4285A + 42841A + 42842C + 42851-6110** für/for $I_{DC}$

**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 |
| | 30 ~ 70% RH |

Freigabe erteilt / general release:

| Kunde / customer | |
|---|---|
| Datum / date | Unterschrift / signature |
| **Würth Elektronik** | |
| Geprüft / checked | Kontrolliert / approved |

| Name | Änderung / modification | Datum / date |
|---|---|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| SKle | Version 2 | 07-01-17 |
| Skle | Version 1 | 06-07-07 |

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.

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