

# Spezifikation für Freigabe / specification for release

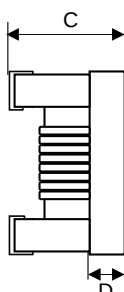
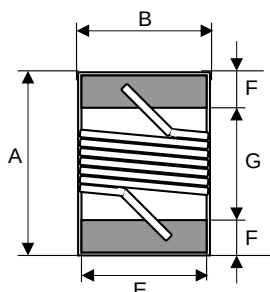
Kunde / customer : \_\_\_\_\_  
 Artikelnummer / part number : **74476012C**  
 Bezeichnung : **Keramik-SMD-Induktivität WE-KI**  
 description : **Ceramic-SMD-Inductor WE-KI**

LF



DATUM / DATE : 2006-08-10

## A Mechanische Abmessungen / dimensions:

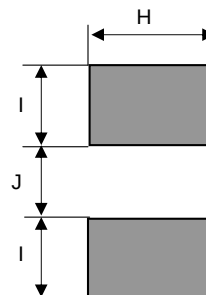


| Größe / size 0805C |          |    |
|--------------------|----------|----|
| A                  | 2,28±0,2 | mm |
| B                  | 1,70±0,2 | mm |
| C                  | 1,28±0,2 | mm |
| D                  | 0,50 ref | mm |
| E                  | 1,27 ref | mm |
| F                  | 0,51 ref | mm |
| G                  | 1,02 ref | mm |
| H                  | 1,78 ref | mm |
| I                  | 1,02 ref | mm |
| J                  | 0,76 ref | mm |

## B Elektrische Eigenschaften / electrical properties:

| Eigenschaften / properties               | Testbedingungen / test conditions |                 | Wert / value | Einheit / unit | tol. |
|------------------------------------------|-----------------------------------|-----------------|--------------|----------------|------|
| Induktivität / inductance                | 250 MHz                           | L               | 22           | nH             | ±5%  |
| Güte Q / Q factor                        | 500 MHz                           | Q               | 55           |                | min. |
| DC-Widerstand / DC-resistance            |                                   | R <sub>DC</sub> | 0,22         | Ω              | max. |
| Nennstrom / rated current                | ΔT = 15 K                         | I <sub>DC</sub> | 500          | mA             | max. |
| Eigenres.-Frequenz / self-res.-frequency |                                   | SRF             | 2600         | 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<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: 33%  
 Umgebungstemperatur / temperature: +20°C

## F Werkstoffe & Zulassungen / material & approvals

Basismaterial / base material: Keramik/ ceramic  
 Kontaktmaterial/ contact plating: Mo/Mn + Ni + Au

## G Eigenschaften / general specifications:

Lagerbedingungen / Storage conditions: -10°C ~ +40 °C  
 30 ~70 % RH  
 Betriebstemperatur / operating temperature: -40°C - +125°C

|                                     |                          |              |                         |
|-------------------------------------|--------------------------|--------------|-------------------------|
| Freigabe erteilt / general release: | Kunde / customer         |              |                         |
|                                     |                          |              |                         |
|                                     |                          |              |                         |
|                                     |                          |              |                         |
| Datum / date                        | Unterschrift / signature |              |                         |
|                                     | Würth Elektronik         |              |                         |
| Geprüft / checked                   | Kontrolliert / approved  |              |                         |
|                                     |                          |              |                         |
|                                     |                          | Skle         | Version 1               |
|                                     |                          | 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.

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