

Spezifikation für Freigabe / specification for release

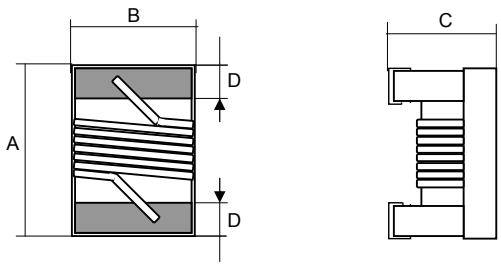
Kunde / customer : _____
 Artikelnummer / part number : **744765210A**
 Bezeichnung : **Keramik-SMD-Induktivität WE-KI**
 description : **Ceramic-SMD-Inductor WE-KI**

LF



DATUM / DATE : 2005-03-18

A Mechanische Abmessungen / dimensions



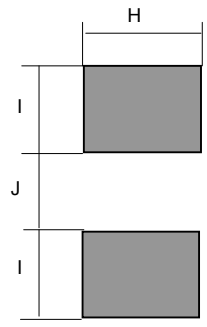
	Größe / size 0402	
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A	1,0 ± 0,1	mm
B	0,55 ± 0,1	mm
C	0,5 ± 0,1	mm
D	0,2 ± 0,1	mm
H	0,65	mm
I	0,375	mm
J	0,45	mm

B Elektrische Eigenschaften / electrical properties

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	150 MHz	L	100	nH	±5%
Güte Q / Q factor	150 MHz	Q	20		min.
Güte Q / Q factor		Q			typ.
DC-Widerstand / DC-resistance		R_{DC}	2,52	Ω	max.
Nennstrom / rated current	$\Delta T = 15 K$	I_{DC}	100	mA	max.
Eigenres.-Frequenz / self-res.-frequency		SRF	1300	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: Keramik/ ceramic
 Kontaktmaterial / contact plating: Mo/Mn + Ni + Au

G Eigenschaften / general specifications

Umgebungstemperatur / ambient temperature: -40°C ~ + 110°C
 Betriebstemperatur / operating temperature: -40°C ~ +125°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	AWe	Version 1	04-10-11
		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.

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