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Spezifikation für Freigabe / specification for release

Kunde / customer : _____

Artikelnummer / part number : **744765124A** LF

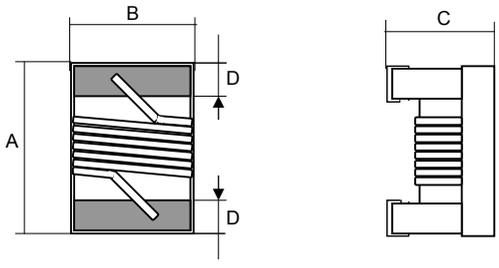
Bezeichnung : **Keramik-SMD-Induktivität WE-KI**

description : **Ceramic-SMD-Inductor WE-KI**

RoHS compliant

DATUM / DATE : 2004-10-11

A Mechanische Abmessungen / dimensions

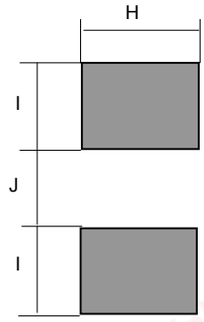


	Größe / size 0402	
A	**1,0 ± 0,1**	mm
B	**0,55 ± 0,1**	mm
C	**0,5 ± 0,1**	mm
D	**0,2 ± 0,1**	mm
H	**0,65**	mm
I	**0,375**	mm
J	**0,45**	mm

B Elektrische Eigenschaften / electrical properties

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	**250 MHz**	L	**24,0**	nH	**±5%**
Güte Q / Q factor	**250 MHz**	Q	**25**		**min.**
Güte Q / Q factor	**900 MHz**	Q	**51**		**typ.**
DC-Widerstand / DC-resistance		R_{DC}	**0,300**	Ω	**max.**
Nennstrom / rated current	**ΔT = 15 K**	I_{DC}	**400**	mA	**max.**
Eigenres.-Frequenz / self-res.-frequency		SRF	**2700**	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.

Würth Elektronik eiSos GmbH & Co. KG

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