

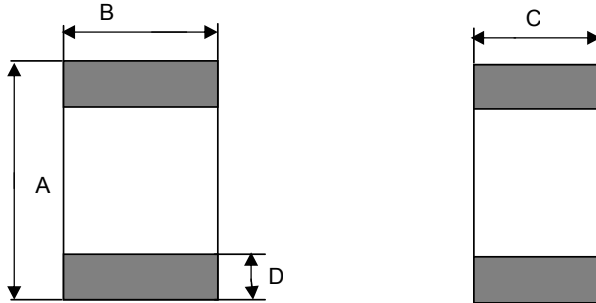
Spezifikation für Freigabe / specification for release

Kunde / customer : _____
 Artikelnummer / part number : **744784018** LF
 Bezeichnung : **Multilayer-Keramik-SMD-Induktivität WE-MK**
 description : **Multilayer-Ceramic-SMD-Inductor WE-MK**



DATUM / DATE : 2004-10-11

A Mechanische Abmessungen / dimensions:

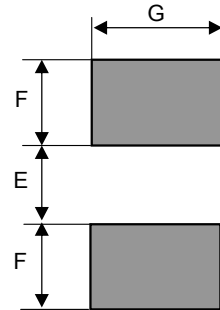


	Größe / size 0402	
A	1,0 ± 0,10	mm
B	0,5 ± 0,10	mm
C	0,50 ± 0,10	mm
D	0,23 ± 0,1	mm
E	0,5 ± 0,1	mm
F	0,6 ± 0,1	mm
G	0,6 ± 0,1	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	100 MHz	L	1,8	nH	± 0,3nH
Güte Q / Q factor	100 MHz	Q	8		min.
DC-Widerstand / DC-resistance		R_{DC}	0,14	Ω	max.
Nennstrom / rated current	$\Delta T = 20 K$	I_{DC}	300	mA	max.
Eigenres.-Frequenz / self-res.-frequency		SRF	14000	MHz	typ.

C Lötpad / soldering spec.



D Prüfgeräte / test equipment:

HP 4291 B für/for L und/and Q
HP 4338 B für/for R_{DC}
HP 4284 A für/for I_{DC}
HP 8722 D 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: Ag/ Ni/ Sn

G Eigenschaften / general specifications:

Umgebungstemp. / ambient temperature: -40°C ~ + 100°C
 Betriebstemp. / operating temperature: -40°C ~ + 120°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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