

# Spezifikation für Freigabe / specification for release

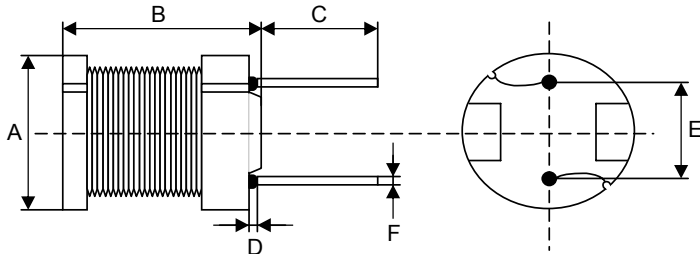
Kunde / customer : \_\_\_\_\_  
 Artikelnummer / part number : **744772470**  
 Bezeichnung : **Tonneninduktivität WE-TI**  
 description : **Filter Choke WE-TI**

LF



DATUM / DATE : 2006-05-05

## A Mechanische Abmessungen / dimensions:



Typ "L"		
A	<b>7,8 ± 0,5</b>	mm
B	<b>9,5 ± 0,5</b>	mm
C	<b>5,0 ± 1,0</b>	mm
D	<b>3,0 max.</b>	mm
E	<b>5,0 ± 0,5</b>	mm
F	<b>∅ 0,7 ref</b>	mm

## B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Leerlauf-Induktivität / inductance	<b>1 kHz / 0,25V</b>	$L_0$	<b>47,0</b>	$\mu\text{H}$	<b>±10%</b>
DC-Widerstand / DC-resistance	<b>@ 20° C</b>	$R_{DC \text{ max.}}$	<b>0,100</b>	$\Omega$	<b>max.</b>
Nennstrom / nominal current		$I_N$	<b>1,30</b>	A	<b>max.</b>
Sättigungsstrom / saturating current	<b> <math>\Delta L/L_0</math> -10%</b>	$I_{\text{sat}}$	<b>2,50</b>	A	<b>typ.</b>
Eigenres.-frequenz / Self-resonance freq.		SRF		MHz	<b>typ.</b>

## C Lötpad / soldering spec.:

## D Prüfgeräte / test equipment:

**HP 4274 A & HP E3633 A** für/for  $L_0/L_N$  und/and Q  
**HP 34401 A** für/for  $I_{DC}$  und/and  $R_{DC}$

## E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity: 33%  
 Umgebungstemperatur / temperature: +20°C

## F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: Ferrit/ferrite  
 Draht / wire: Class F

## G Eigenschaften / general specifications:

Betriebstemp. / operating temperature: -40°C - + 125°C  
 Umgebungstemp. / ambient temperature: -40°C - + 85°C  
 It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.

Freigabe erteilt / general release:	<b>Kunde / customer</b>			
	..... Datum / date	..... Unterschrift / signature		
Geprüft / checked	<b>Würth Elektronik</b>	SSt	Update Temp	06-05-05
		SST	RoHS Update	05-01-12
		SST	Version 1	04-09-09
	..... Kontrolliert / approved	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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