

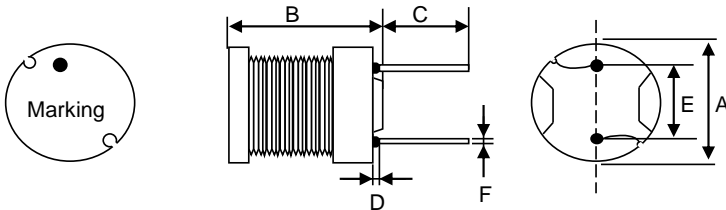
Spezifikation für Freigabe / specification for release

Kunde / customer : _____
 Artikelnummer / part number : **744779100**
 Bezeichnung : **Tonneninduktivität WE-TI**
 description : **Filter Choke WE-TI**



DATUM / DATE : 2011-08-04

A Mechanische Abmessungen / dimensions:



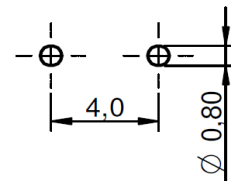
	Typ "M"	
A	6,0 ± 0,5	mm
B	6,5 max.	mm
C	4,0 ± 1,0	mm
D		mm
E	4,0 ± 0,5	mm
F	∅ 0,5 ref	mm

● = Start of winding Marking = Inductance code

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Leerlauf-Induktivität / inductance	1 kHz / 0,25V	L	10,0	μH	±10%
DC-Widerstand / DC-resistance	@ 20° C	R _{DC} typ.	35,0	mΩ	typ.
DC-Widerstand / DC-resistance	@ 20° C	R _{DC} max.	50,0	mΩ	max.
Nennstrom / nominal current	ΔT= 40 K	I _R	1,85	A	max.
Sättigungsstrom / saturating current	 ΔL/Lo -10%	I _{sat}	2,10	A	typ.
Eigenres.-Frequenz / self-res.-frequency		f _{res}	27,70	MHz	typ.

C Bohrbild / hole pattern:



D Prüfgeräte / test equipment:

Wayne Kerr 3260B für/for L, I_{sat}
GMC Metrahit 271 Milliohmmeter für/for R_{DC}
Dostmann T600 Thermometer für/for I_R
Agilent 4396B für/for f_{res}

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:	Kunde / customer	CZ	Neugestaltung	11-08-04
		MSt	Update Isat	06-07-03
Datum / date	Würth Elektronik	SSt	Update Temp	06-05-05
		SSt	RoHS Update	06-04-19
Geprüft / checked	Unterschrift / signature	MW	Änderung	03-09-17
		RT	Update	02-04-15
Kontrolliert / approved		AG	Neuanlage	11-11-15
		JH	Neugestaltung	00-12-06
		Name	Änderung / modification	Datum / date

Würth Elektronik eiSos GmbH & Co.KG

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H Induktivitätskurve / Inductance curve :



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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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