

Spezifikation für Freigabe / specification for release

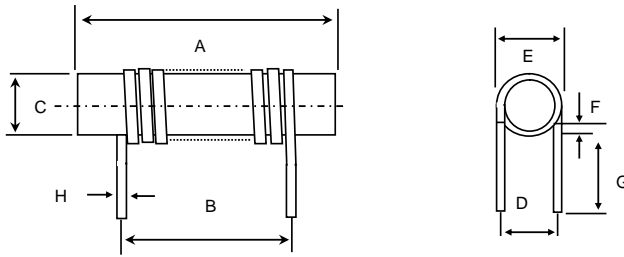
Kunde / customer :
 Artikelnummer / part number : **744711010**
 Bezeichnung : **Stabkernrossel WE-SD**
 description : **Rod Core Inductor WE-SD**

LF



DATUM / DATE : 2005-08-23

A Mechanische Abmessungen / dimensions :



| | | |
|---|-------------------|----|
| A | 30,9 max. | mm |
| B | 24,9 ± 0,5 | mm |
| C | 6,0 typ. | mm |
| D | 7,3 ± 0,5 | mm |
| E | 8,6 max. | mm |
| F | 1,0 min | mm |
| G | 3,0 ± 0,5 | mm |
| H | ∅ 1,12 ref | mm |

B Elektrische Eigenschaften / electrical properties :

| Eigenschaften / properties | Testbedingungen / test conditions | | Wert / value | Einheit / unit | tol. |
|--|-----------------------------------|-----------------|--------------|----------------|------|
| Leerlaufinduktivität / OC-Inductance | 10 kHz / 5 mA | L ₀ | 10,0 | μH | ±25% |
| Nenninduktivität / nominal inductance | 10 kHz / 5 mA / I _N | L _N | 10,0 | μH | typ. |
| DC-Widerstand / DC-resistance | @ 20°C | R _{DC} | 8,8 | mΩ | ±20% |
| Nennstrom / rated current | ΔT=40K | I _N | 10,0 | A | typ. |
| Eigenres.-Frequenz / self-res.-frequency | | SRF | 43,0 | MHz | typ. |

C Lötpad / soldering spec. :

D Prüfgeräte / test equipment :

Wayne Kerr 3260 B für/for L und/and R_{DC}
 HP 4396 B für/for SRF

E Testbedingungen / test conditions :

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

F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material: Ferrit / ferrite
 Draht/ wire : DIN EN 60317-13

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: -40°C - + 150°C
 Umgebungstemp. / ambient temperature: -40°C - + 110°C
 It is recommended that the temperature of the part does not exceed 150°C under worst case operating conditions.

| | | | | |
|-------------------------------------|--------------------------|---------------|----------|--------------------------------------|
| Freigabe erteilt / general release: | Kunde / customer | | | |
| | | | | |
| Datum / date | Unterschrift / signature | | | |
| | Würth Elektronik | | | |
| | RSt | Rdc-Korrektur | 06-11-23 | |
| | MST | Version 1 | 05-08-23 | |
| Geprüft / checked | Kontrolliert / approved | | Name | Änderung / modification Datum / date |

Würth Elektronik eiSos GmbH & Co.KG

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<http://www.we-online.com>

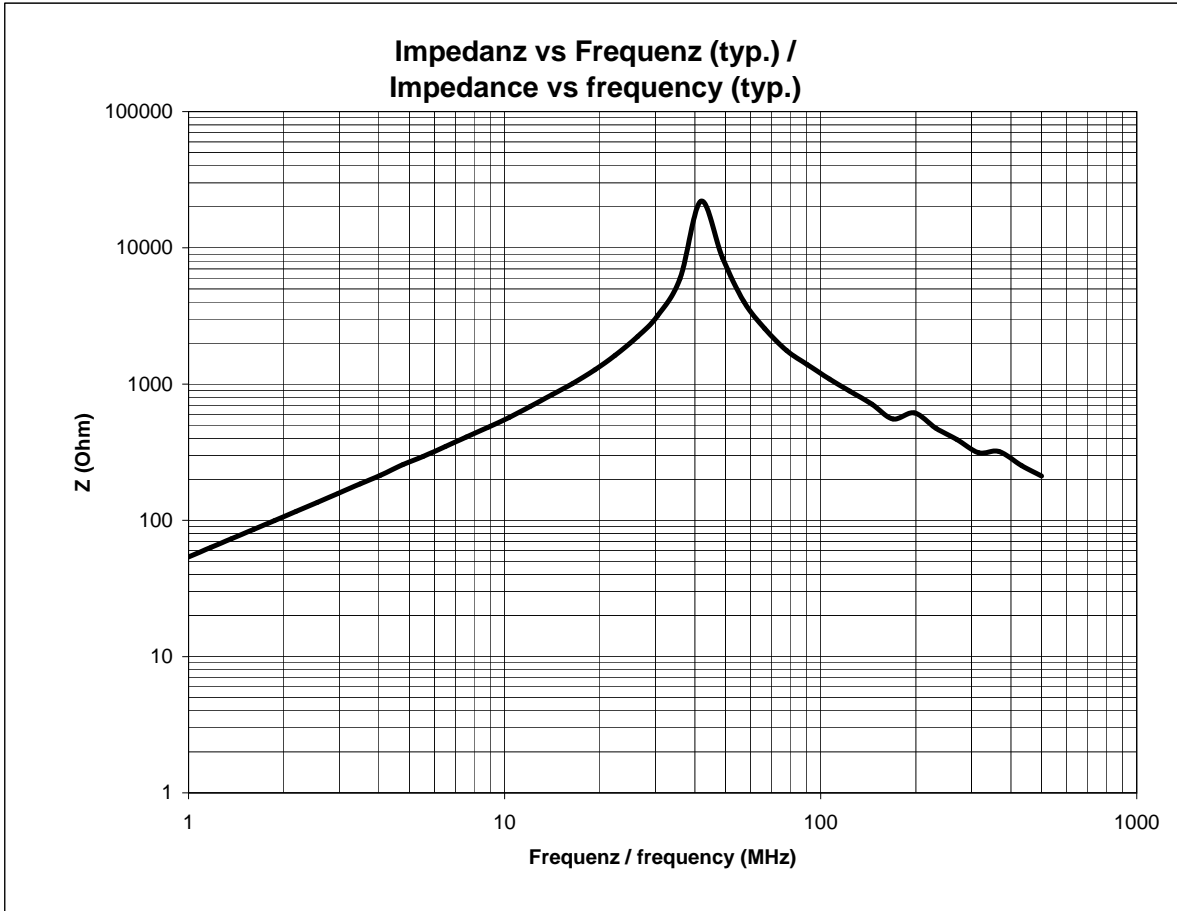
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H Impedanzkurve / Impedance curve :



| | | | | |
|-------------------------------------|--------------------------|------|-------------------------|--------------|
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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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