

Spezifikation für Freigabe / specification for release

Kunde / customer : _____

Artikelnummer / part number : **7427153S**

Bezeichnung : **STAR-RING Ringkern mit Kunststoffgehäuse**

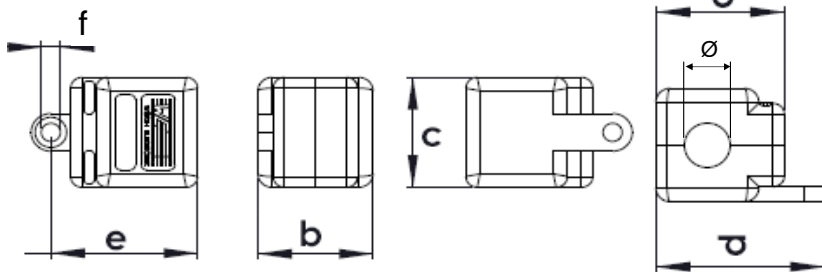
description : **STAR-RING ringcore with plastic case**



WÜRTH ELEKTRONIK

DATUM / DATE : 2007-01-25

A Mechanische Abmessungen / dimensions:



a	23,0 typ.	mm
b	20,0 typ.	mm
c	20,0 typ.	mm
d	30,0 typ.	mm
e	25,5 typ.	mm
f	Ø 3,5 typ.	mm
für Kabeldurchmesser / for cable diameter		
Ø	<= 8,0	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	Tol.
Impedanz @ 1 Wg./ impedance @ 1 turn	25 MHz	Z	83	Ω	± 25%
Impedanz @ 1 Wg./ impedance @ 1 turn	100 MHz	Z	165	Ω	± 25%
Impedanz @ 2 Wg./ impedance @ 2 turn	25 MHz	Z	304	Ω	typ.
Impedanz @ 2 Wg./ impedance @ 2 turn	100 MHz	Z	572	Ω	typ.

C



D Prüfgeräte / test equipment:

HP 4191 B für/for Z und/and material
16092A - Klemme / clamp
AWG26 - Ø 0,5mm - Länge/length: 165 mm

E Testbedingungen / test conditions:

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

F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: 4 W 620
 Kunststoff / plastic material: PA 66 / 6
 UL-Zulassungen / UL-approval: UL94-V0 / E53898
 Farbe / colour: schwarz / black

G Eigenschaften / general specifications:

Curietemperatur / curie temperature: + 150°C
 Gewicht / weight: 17,5g
 Lagertemperatur / storage temperature: -40°C ~ + 85°C
 Betriebstemp. / operating temperature: -25°C ~ +105°C

Freigabe erteilt / general release:	Kunde / customer			
			
Datum / date	Unterschrift / signature		SMU	Update Zeichnung 07-01-25
	Würth Elektronik		AF	Update / Material 06-11-13
		LF	RoHS update 04-10-11
		LF	Geh.Bemassung 04-01-26
Geprüft / checked	Kontrolliert / approved		OK	Neuteil 02-01-23
			Name	Änderung / modification Datum / date

Würth Elektronik eiSos GmbH & Co. KG

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

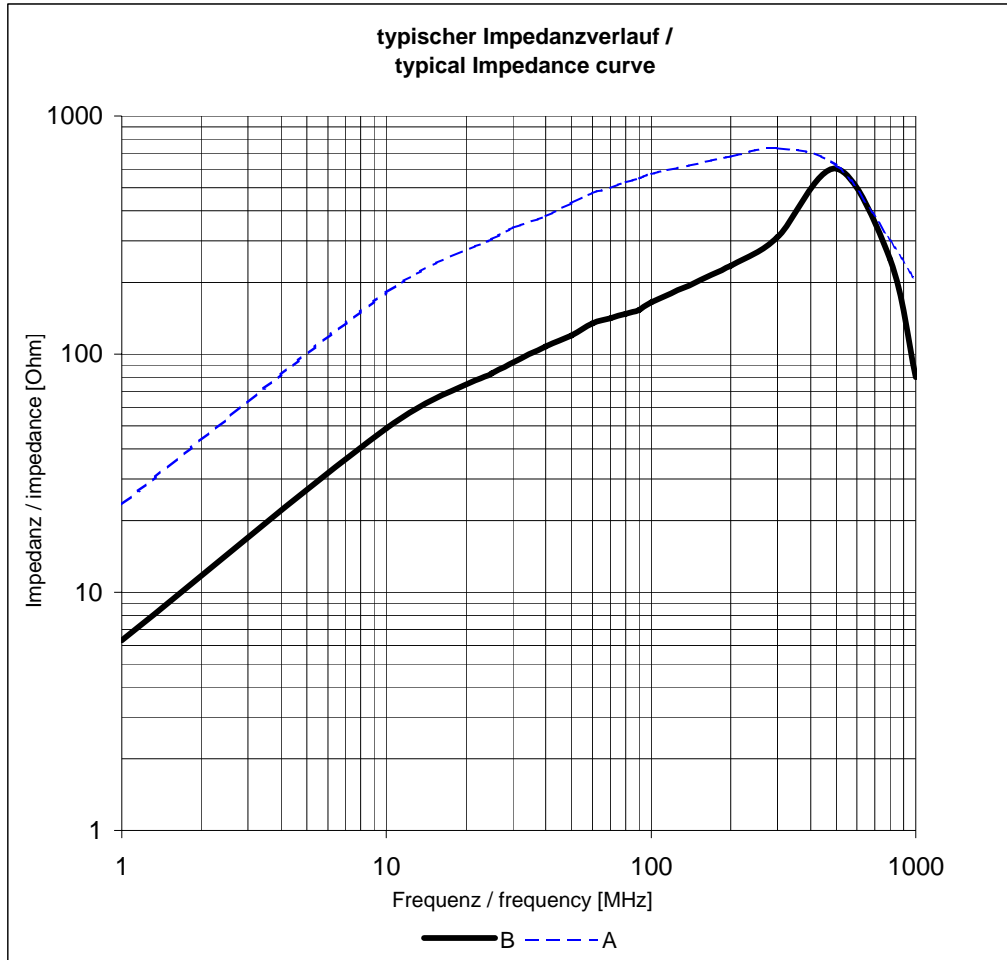
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H Impedanzverlauf / impedance curve:



A: 2 x durch Bohrung Ferrit / 2 x times through ferrite
B: 1 x durch Bohrung Ferrit / 1 x times through ferrite

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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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