

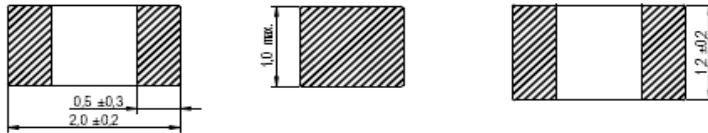
Spezifikation für Freigabe / specification for release

Kunde / customer :
 Artikelnummer / part number : **74479775147**
 Bezeichnung : **SMD-Powerinduktivität WE-PMI**
 description : **SMD-power inductance WE-PMI**



DATUM / DATE : 2011-01-26

A Mechanische Abmessungen / dimensions:

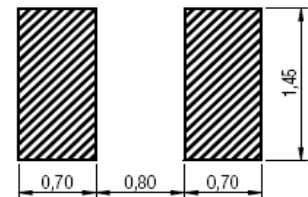


	Größe / size 0805	
A	2,0 ± 0,2	mm
B	1,2 ± 0,2	mm
C	1,0 ± 0,2	mm
D	0,5 ± 0,3	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	1 MHz	L	0,47	µH	±20%
Güte Q / Q factor	1 MHz	Q	10		min.
DC-Widerstand / DC-resistance	@ 20°C	R _{DC}	85	mΩ	±30%
Eigenres.-Frequenz / self-res.-frequency		f _{res}	130	MHz	min.
Nennstrom / rated current	ΔT=20 K	I _{DC}	1100	mA	typ.
Nennstrom / rated current	ΔT=40 K	I _{DC}	1400	mA	typ.
Sättigungsstrom / saturation current	ΔL/L < 30%	I _{sat}	900	mA	typ.

C Lötpad / soldering spec.:



D Prüfgeräte / test equipment:

Agilent E4991 A für/for L und/and Q und/and SRF
GMC Metrahit 27i für/for R_{DC}
WK3260B für/for I_{sat}
Agilent 6032 für/for I_{DC}

E Testbedingungen / test conditions:

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

F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material: Ferrit / ferrite

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				
Datum / date	Unterschrift / signature				
	Würth Elektronik				
			Ddi	Version 2	11-02-24
			Ddi	Version 1	11-01-26
Geprüft / checked	Kontrolliert / approved		Name	Änderung / modification	Datum / date

Würth Elektronik eiSos GmbH & Co. KG

D-74638 Waldenburg · Max-Eyth-Strasse 1 - 3 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400
<http://www.we-online.com>

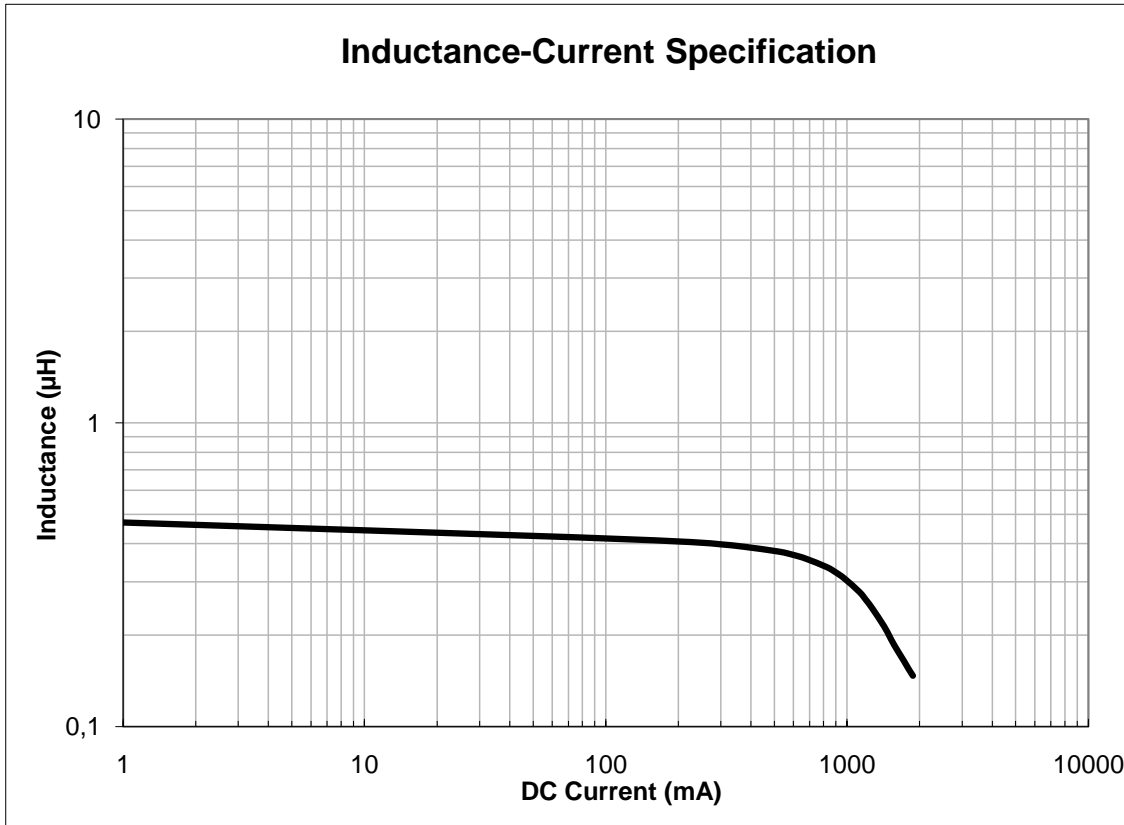
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WÜRTH ELEKTRONIK
 DATUM / DATE : 2011-01-26

H Induktivitätskurve / Inductance curve :



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.....			
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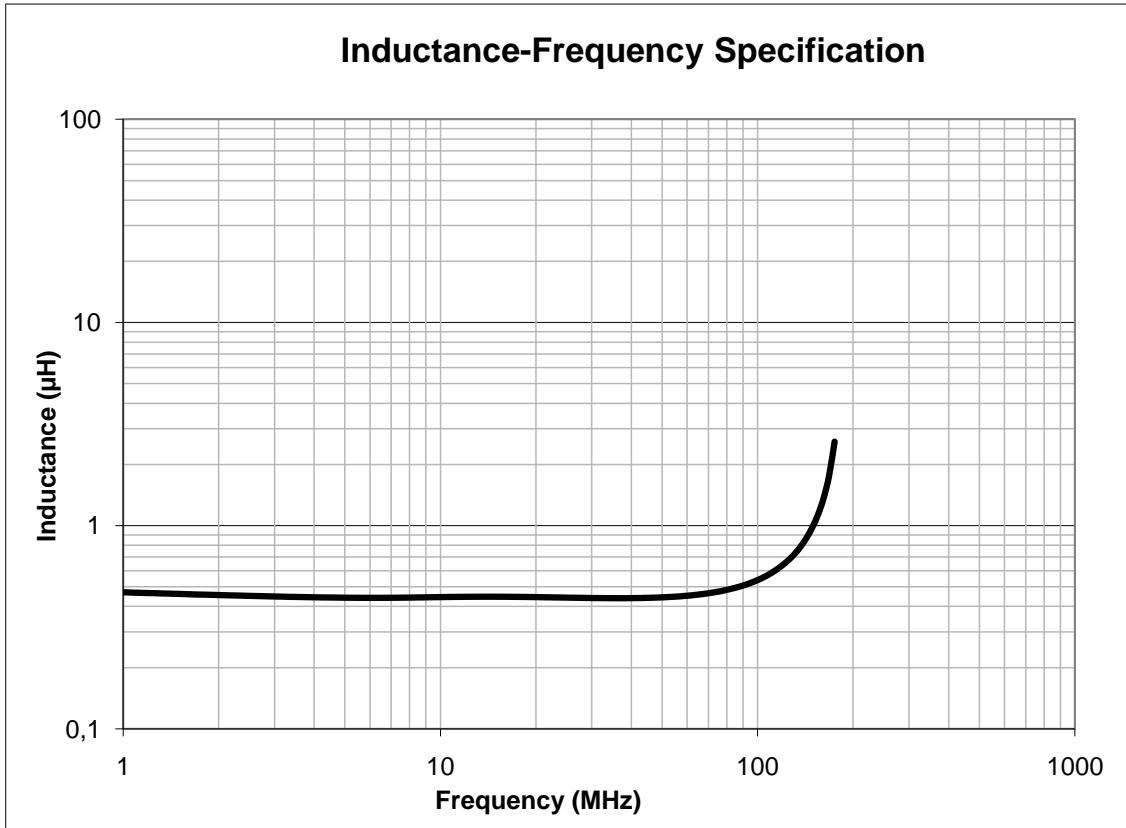
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This electronic component has been designed and developed for usage in general electronic equipment. Before incorporating this component into any equipment where higher safety and reliability is especially required or if there is the possibility of 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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