

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **74479763210**

Bezeichnung : **SMD-Powerinduktivität WE-PMI**

description : **SMD-power inductance WE-PMI**

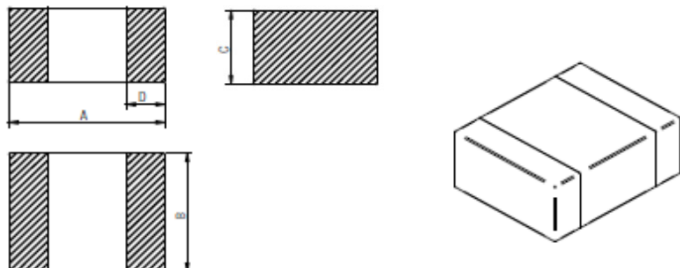


COMPLIANT
RoHS&REACH
WÜRTH ELEKTRONIK



DATUM / DATE : 2011-07-25

A Mechanische Abmessungen / dimensions:

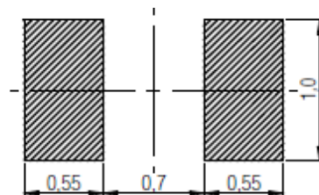


	Größe / size 0603	
A	1,6 ± 0,15	mm
B	0,8 ± 0,15	mm
C	0,8 ± 0,15	mm
D	0,3 ± 0,2	mm

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	1 MHz	L	1,00	μH	±20%
Güte Q / Q factor	1 MHz	Q	14		min.
DC-Widerstand / DC-resistance	@ 20°C	R _{DC}	300	mΩ	±25%
Eigenres.-Frequenz / self-res.-frequency		f _{res}	150	MHz	min.
Nennstrom / rated current	ΔT=20 K	I _{DC}	550	mA	typ.
Nennstrom / rated current	ΔT=40 K	I _{DC}	750	mA	typ.
Sättigungsstrom / saturation current	 ΔL/L =30%	I _{sat}	350	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:

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Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

DDi

Version 1

11-07-25

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
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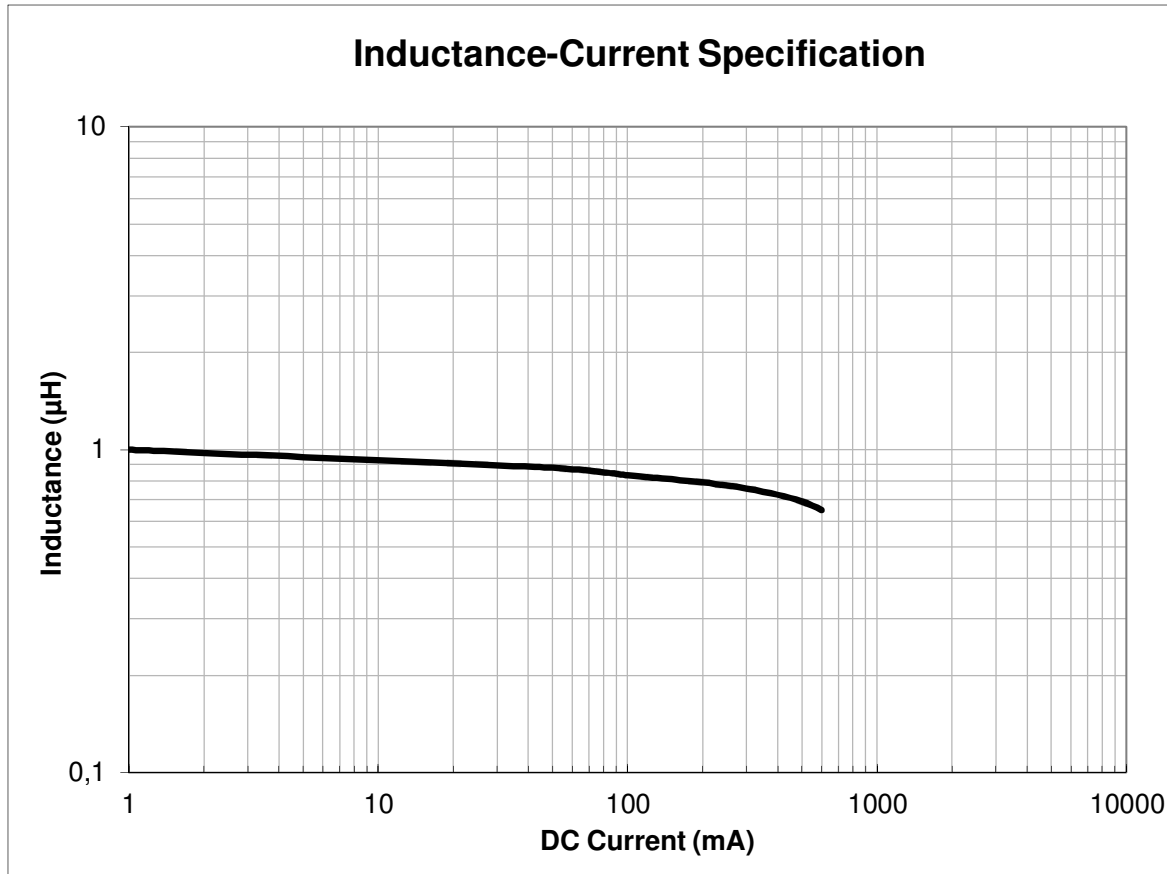
Bezeichnung : **SMD-Powerinduktivität WE-PMI**

description : **SMD-power inductance WE-PMI**



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H Induktivitätskurve / Inductance curve :



Freigabe erteilt / general release:	Kunde / customer				
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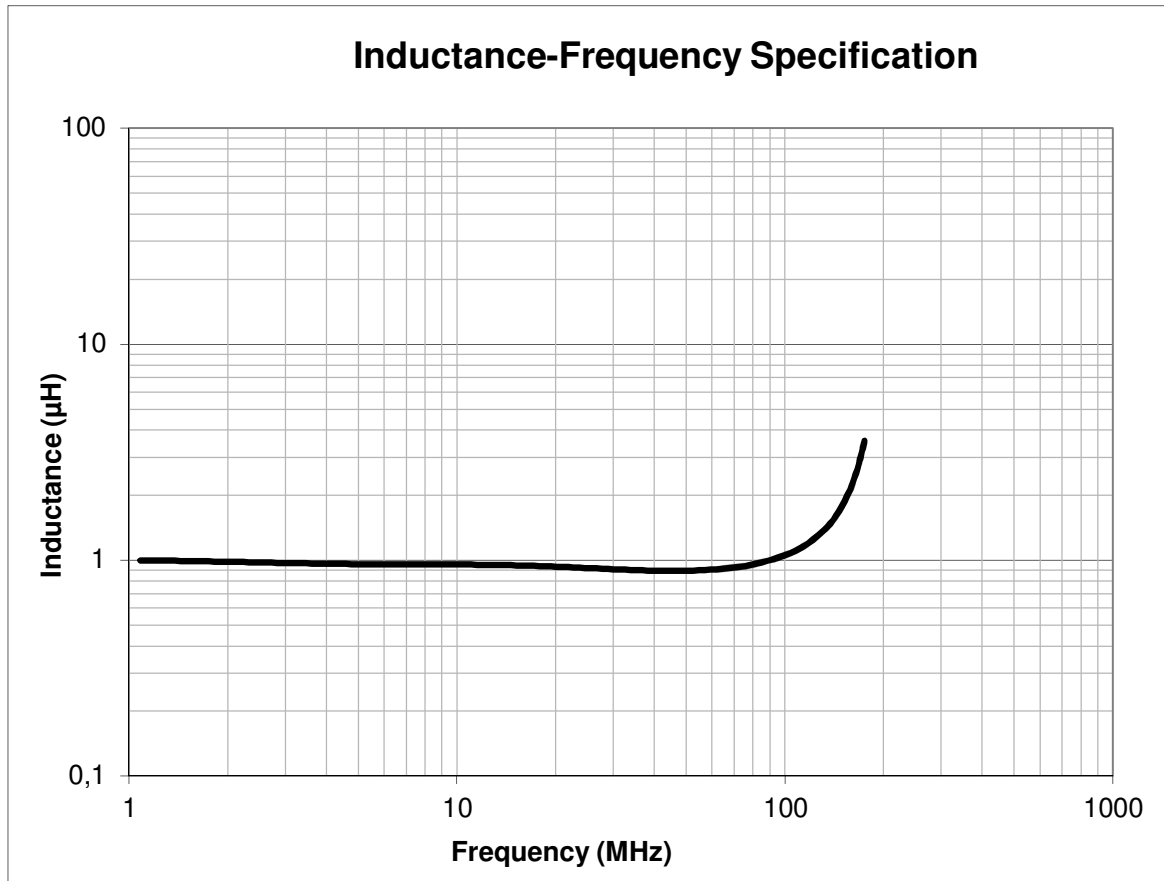
Bezeichnung : SMD-Powerinduktivität WE-PMI

description : SMD-power inductance WE-PMI



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I Induktivitätskurve / Inductance curve :



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J Rollenspezifikation / Tape & Reel specification :

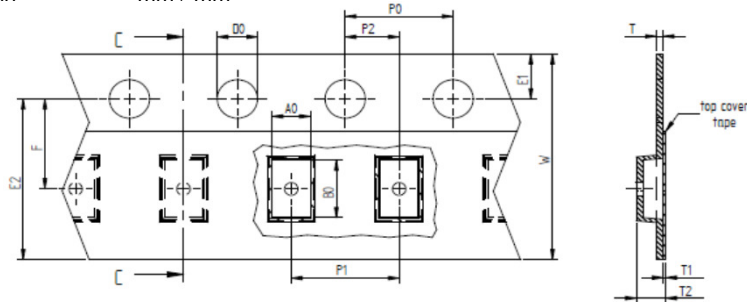
Tape Spezifikation / tape specification

Material / Material:

Polystyrene / polystyrene

Abmessungen in / dimensions in

mm / mm



		A0	B0	W	P1	T	T1	T2	D0	E1	E2	F	P0	P2	VPE / packaging unit
tolerance		typ.	typ.	+0,3 0,1	±0,1	±0,1	max.	typ.	+0,3 -0,1	±0,1	min.	±0,05	±0,1	±0,05	
size	0603	1,10	1,90	8,00	4,00	0,25	0,10	1,10	1,50	1,75	6,25	3,50	4,00	2,00	4000

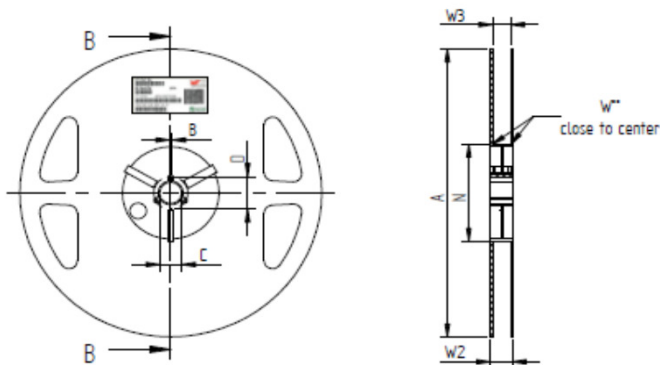
Reel Spezifikation / reel specification

Material / Material:

Kunststoff / Plastic

Abmessungen in / dimensions in

mm / mm



Maß / size	Bandbreite 8 mm / Tape width 8 mm	
A	178	
B	1,5	min.
C	13,0	± 0,8
D	20,2	min.
N	50	min.
W1	8,4	± 1,5
W2	14,4	max.
W3	7,9	min.
W3	10,9	max.

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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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