

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Wurth Electronics Inc](#)  
[7447779147W](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

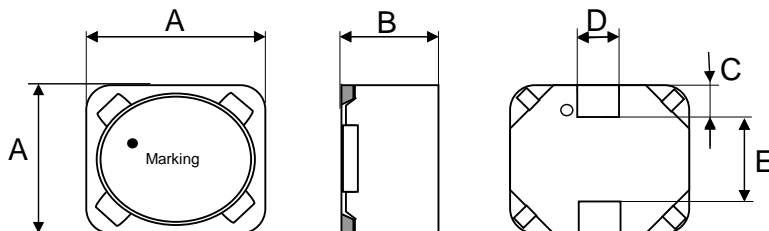
## Spezifikation für Freigabe / specification for release

Kunde / customer :  
 Artikelnummer / part number : **7447779147W**  
 Bezeichnung : **SPEICHERDROSSEL WE-PD**  
 description : **POWER-CHOKE WE-PD**



DATUM / DATE : 2012-09-10

### A Mechanische Abmessungen / dimensions :



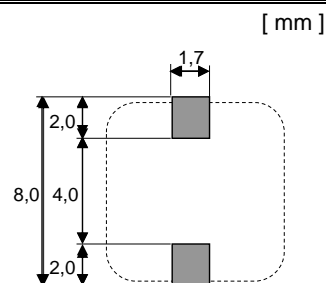
	7345	
A	7,3 ± 0,3	mm
B	4,5 max	mm
C	1,5 ± 0,2	mm
D	1,5 ± 0,3	mm
E	4,0 ± 0,3	mm

● = Start of winding      Marking = Inductance code

### B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	100 kHz / 0,25V	L	47	μH	±20%
DC-Widerstand / DC-resistance	@ 20°C	R <sub>DC typ</sub>	222	mΩ	typ.
DC-Widerstand / DC-resistance	@ 20°C	R <sub>DC max</sub>	260	mΩ	max.
Nennstrom / rated current	ΔT= 40 K	I <sub>R</sub>	1,00	A	max.
Sättigungsstrom / saturation current	ΔL/L  < 10%	I <sub>sat</sub>	1,10	A	typ.
Eigenres.-Frequenz / self-res.-frequency	@20°C	f <sub>res</sub>	10,0	MHz	typ.

### C Lötpad / soldering spec. :



### D Prüfgeräte / test equipment :

WAYNE KERR 3260B für/for L; I<sub>sat</sub>  
 Agilent N5776A / Dostmann T905 für/for I<sub>R</sub>  
 GMC Metrahit 271 für/for R<sub>DC</sub>  
 Agilent E4991A für/for f<sub>res</sub>

### E Testbedingungen / test conditions :

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

### F Werkstoffe & Zulassungen / material & approvals :

Basismaterial / base material: Ferrit/ferrite  
 Thermal base material: Copper- alloy  
 Thermal finish: Ni barrier / matte Sn  
 Draht / wire: Class H

### 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.  
 Glue and base can get yellow after soldering process

Freigabe erteilt / general release:	Kunde / customer				
Datum / date	Unterschrift / signature				
	Würth Elektronik				
Geprüft / checked	Kontrolliert / approved		ALa	Version 1	12-09-10
			Name	Änderung / modification	Datum / date

### Würth Elektronik eiSos GmbH & Co. KG

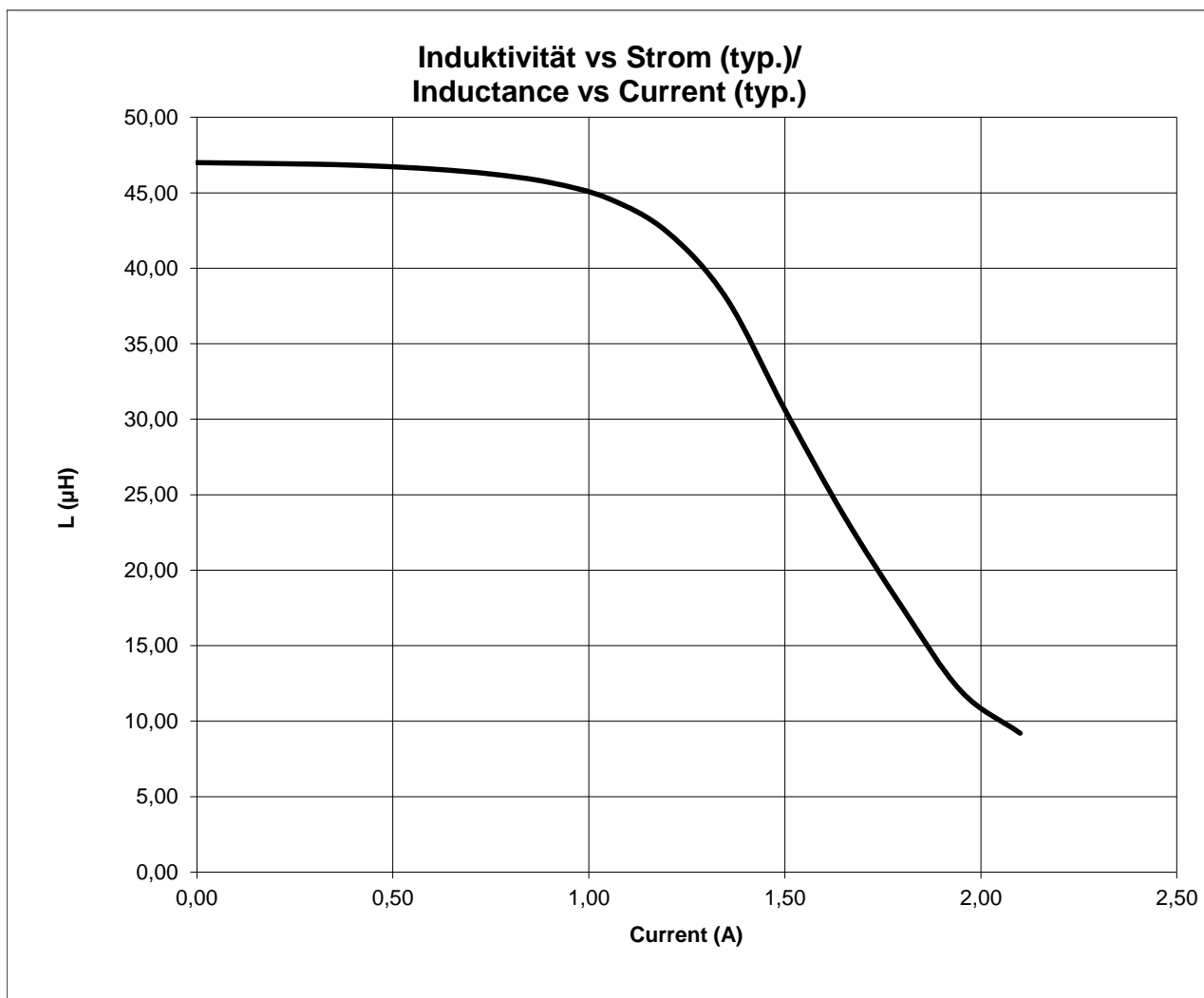
**Spezifikation für Freigabe / specification for release**

Kunde / customer :  
 Artikelnummer / part number : **7447779147W**  
 Bezeichnung : **SPEICHERDROSSEL WE-PD**  
 description : **POWER-CHOKE WE-PD**



DATUM / DATE : 2012-09-10

**H Induktivitätskurve / Inductance curve :**



Freigabe erteilt / general release:	Kunde / customer		
Datum / date	Unterschrift / signature		
	Würth Elektronik		
Geprüft / checked	Kontrolliert / approved		
	ALa	Version 1	12-09-10
	Name	Änderung / modification	Datum / date

**Würth Elektronik eiSos GmbH & Co. KG**

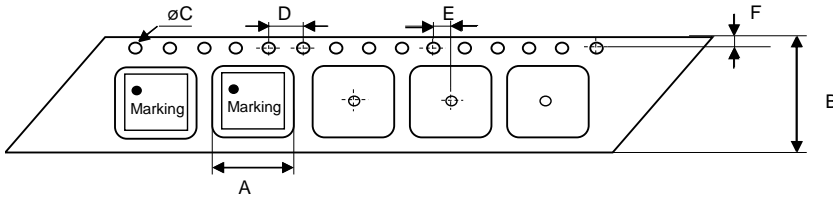
**Spezifikation für Freigabe / specification for release**

Kunde / customer :  
 Artikelnummer / part number : **7447779147W**  
 Bezeichnung : **SPEICHERDROSSEL WE-PD**  
 description : **POWER-CHOKE WE-PD**

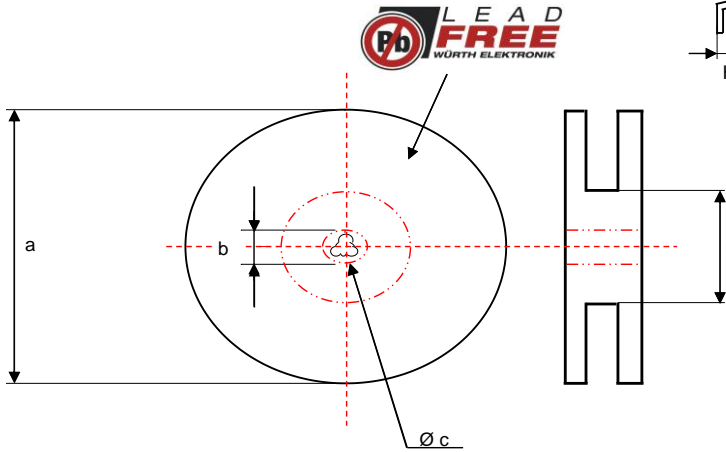
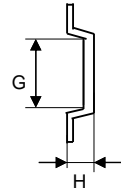


DATUM / DATE : 2012-09-10

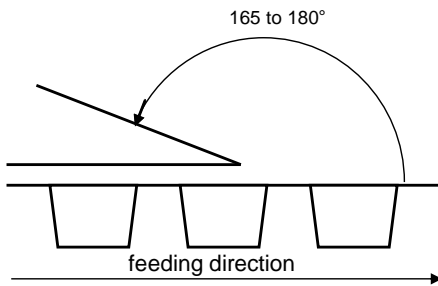
**I Rollenspezifikation / tape and reel specification :**



Gurtspezifikation / Tape specification:		
A	10,0 ± 0,1	mm
B	16,0 ± 0,2	mm
C	1,50 +0,1 -0,0	mm
D	4,00 ± 0,1	mm
E	2,00 ± 0,1	mm
F	1,75 ± 0,1	mm
G	10,0 ± 0,1	mm
H	5,00 ± 0,1	mm



Rollenspezifikation / Reel specification:		
a	330,0 ± 2,0	mm
b	21,00 ± 0,8	mm
c	13,00 ± 0,5	mm
d	100,0 ± 1,0	mm



The force for tearing off cover tape is 10 to 130 grams in arrow direction

Freigabe erteilt / general release:	Kunde / customer		
Datum / date	Unterschrift / signature		
	Würth Elektronik		
Geprüft / checked	Kontrolliert / approved	ALa	Version 1 12-09-10
		Name	Änderung / modification Datum / date

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.