

Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number :

744774047

LF

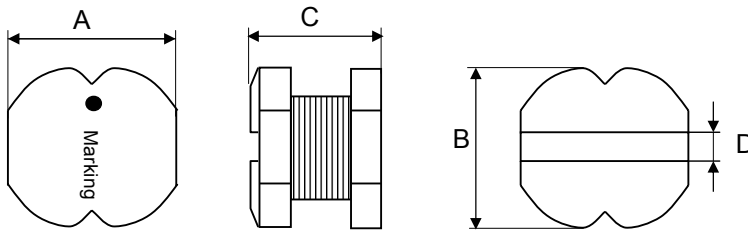


Bezeichnung : SMD-SPEICHERDROSSEL WE-PD2

description : POWER CHOKE WE-PD2

DATUM / DATE : 2005-06-21

A Mechanische Abmessungen / dimensions:



	Typ M	
A	5,2 ± 0,3	mm
B	5,8 ± 0,5	mm
C	4,5 ± 0,35	mm
D	2,0 ref.	mm
E	5,5 ref.	mm
F	6,0 ref.	mm
G	1,7 ref.	mm
H	2,15 ref.	mm

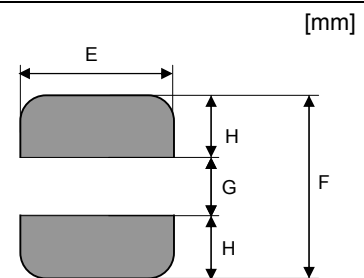
● = Start of winding

Marking = Inductance code

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Induktivität / inductance	1 KHz / 0,25 V	L	4,70	μH	±20%
DC-Widerstand / DC-resistance	@ 20°C	R _{DC} typ.	0,056	Ω	typ.
DC-Widerstand / DC-resistance	@ 20°C	R _{DC} max.	0,071	Ω	max.
Nennstrom / rated current	ΔT= 40 K	I _{DC}	3,00	A	max.
Sättigungsstrom / saturation current	ΔL/L <10%	I _{sat}	5,50	A	typ.
Eigenres.-Frequenz / self-res.-frequency		SRF	33,00	MHz	typ.

C Lötpad / soldering spec.:



D Prüfgeräte / test equipment:

HP 4274 A für/for L und/and Q

HP 34401 A für/for R_{DC} und I_{DC}

E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity:

33%

Umgebungstemperatur / temperature:

+20°C

F Werkstoffe & Zulassungen / material & approvals:

Basismaterial / base material:	Ferrit
Endoberfläche / finishing electrode:	Sn/Cu - 99,3/0,7%
Draht / wire:	2UEWF; 155°C

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

Geprüft / checked

Kontrolliert / approved

SST

Version 2

05-06-21

MST

Version 1

04-10-11

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

Spezifikation für Freigabe / specification for release

Kunde / customer :
 Artikelnummer / part number : **744774047**
 Bezeichnung : **SMD-SPEICHERDROSSEL WE-PD2**
 description : **POWER CHOKE WE-PD2**

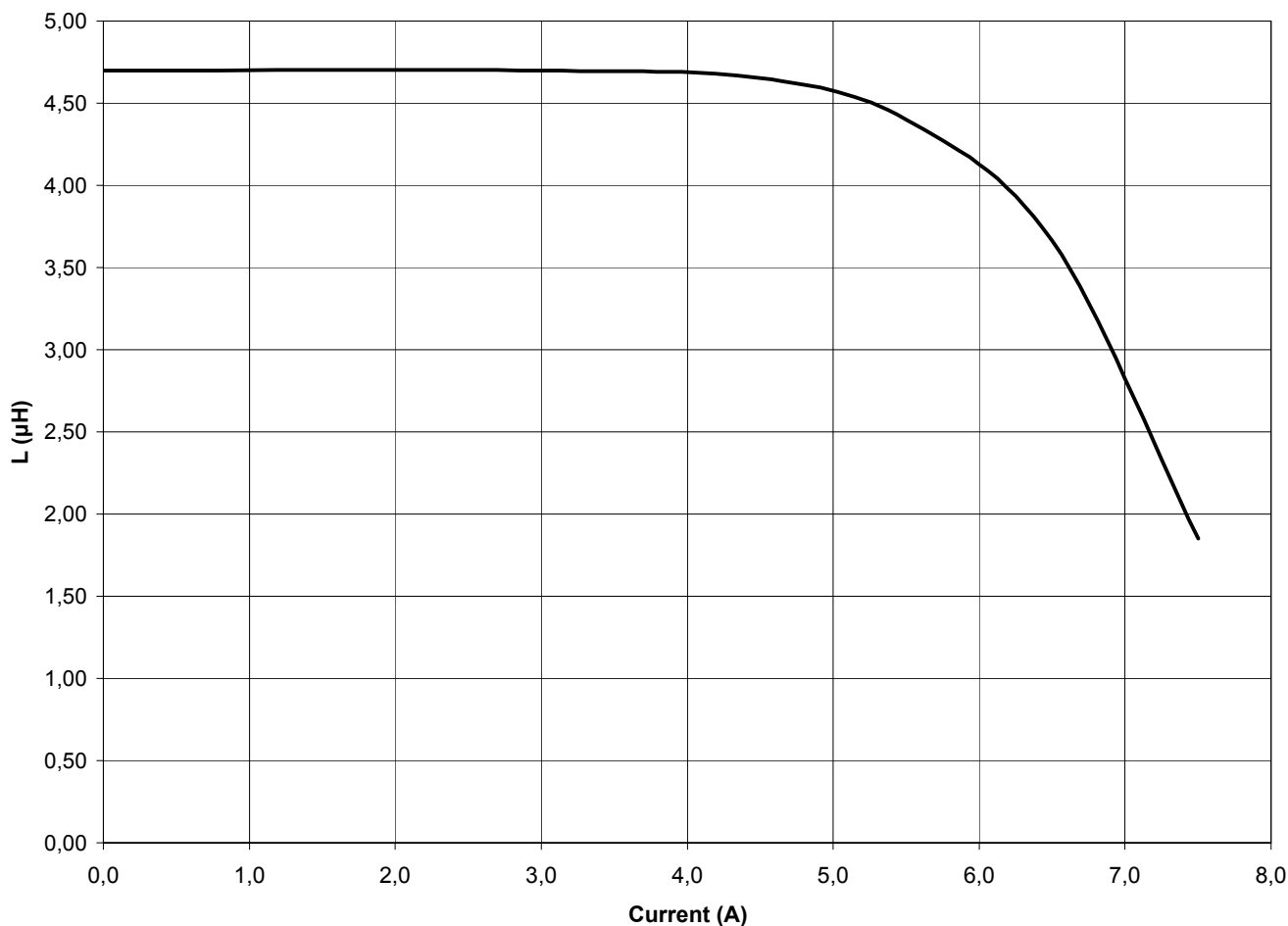
LF



DATUM / DATE : 2005-06-21

H Induktivitätskurve / Inductance curve:

Induktivität vs Strom (typ.) /
 Inductance vs Current (typ.)



Freigabe erteilt / general release:	Kunde / customer		
Datum / date	Unterschrift / signature		
	Würth Elektronik		
	SST	Version 2	05-06-21
	MST	Version 1	04-10-11
Geprüft / checked	Kontrolliert / approved		Datum / date
	Name	Änderung / modification	

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>

Spezifikation für Freigabe / specification for release

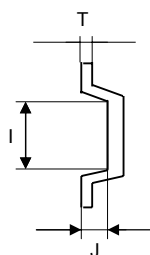
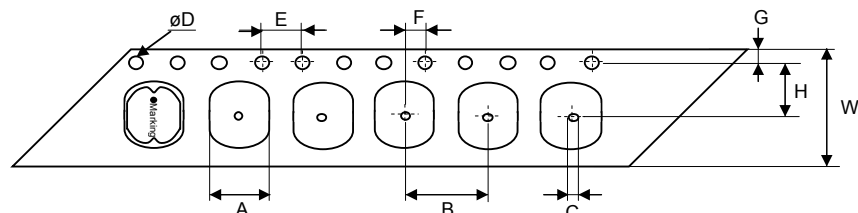
Kunde / customer : _____
 Artikelnummer / part number : **744774047**
 Bezeichnung : **SMD-SPEICHERDROSSEL WE-PD2**
 description : **POWER CHOKE WE-PD2**

LF



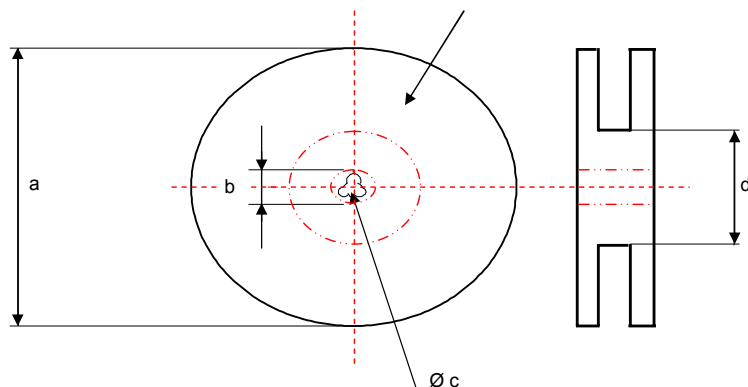
DATUM / DATE : 2005-06-21

I Rollenspezifikation / tape and reel specification:



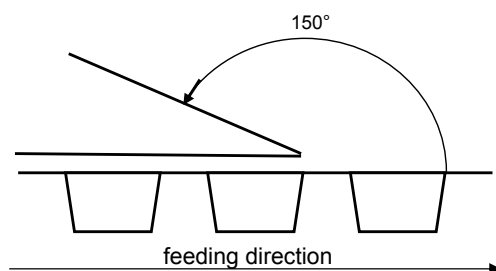
Gurtspezifikation / Tape specification:

A	$5,40 \pm 0,1$	mm
B	$8,00 \pm 0,1$	mm
C	$1,50 \text{ min.}$	mm
D	$1,50^{+0,1}_{-0,0}$	mm
E	$4,00 \pm 0,1$	mm
F	$2,00 \pm 0,1$	mm
G	$1,75 \pm 0,1$	mm
H	$7,50 \pm 0,1$	mm
I	$6,20 \pm 0,1$	mm
J	$4,90 \pm 0,1$	mm
T	$0,35 \pm 0,05$	mm
W	$16,0 \pm 0,3$	mm



Rollenspezifikation / Reel specification:

a	$330,0 \pm 0,5$	mm
b	$20,20 \pm 0,1$	mm
c	$13,00^{+0,5}_{-1,0}$	mm
d	$100,0 \pm 1,0$	mm



The force for tearing off cover tape is
 20 to 70 grams in arrow direction

Freigabe erteilt / general release:

Kunde / customer

Datum / date

Unterschrift / signature

Würth Elektronik

Geprüft / checked

Kontrolliert / approved

SST

Version 2

05-06-21

MST

Version 1

04-10-11

Name

Änderung / modification

Datum / date

This electronic component is designed and developed with the intention for use in general electronics equipments. Before incorporating the components into any equipments in the field such as aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc. where higher safety and reliability are especially required or if there is possibility of direct damage or injury to human body. In addition, even electronic component in general electronic equipments, when used in electrical circuits that require high safety, reliability functions or performance, the sufficient reliability evaluation-check for the safety must be performed before use. It is essential to give consideration when to install a protective circuit at the design stage.

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>