Spezifikation für Freigabe / specification for release

Kunde / customer :

Artikelnummer / part number : **748323155** LF

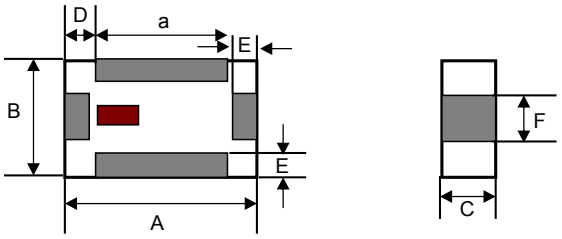
Bezeichnung : **Bandpassfilter WE-BPF**

description : **Bandpass-Filter WE-BPF**

RoHS compliant

DATUM / DATE : 2004-10-11

A Mechanische Abmessungen / dimensions :

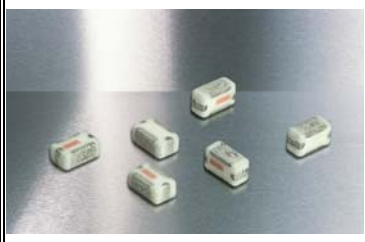


	0805	
A	**2,0 ± 0,15**	mm
B	**1,25 ± 0,1**	mm
C	**0,95 ± 0,1**	mm
D	**0,35 ± 0,15**	mm
E	**0,25 ± 0,15**	mm
F	**0,3 ± 0,15**	mm
a	**1,3 ± 0,15**	mm

B Elektrische Eigenschaften / electrical properties :

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Frequenzbereich/ frequency range	**BW**	f	**5150…5875**	MHz	
Einfügedämpfung/ insertion loss	**@ BW**	IL	**1,5**	dB	**max.**
VSWR VSWR	**@ BW**		**2,0**		**max.**
Dämpfung I / attenuation I	**3500 MHz**	A	**30**	dB	**min.**
Dämpfung II / attenuation II		A		dB	**min.**
Dämpfung III/ attenuation III		A		dB	**min.**
Dämpfung IV/ attenuation IV		A		dB	
Dämpfung V/ attenuation V		A		dB	

C Abbildung/ appearance:



D Prüfgeräte / test equipment:

Agilent 8719ES

E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity: 50 ~ 70%

Umgebungstemperatur / temperature: 20°C ~ 25°C

F Werkstoffe & Zulassungen / material & approvals

Basismaterial / base material: Keramik / ceramic

Kontakt Material / contact plating: Ag + Ni + Sn

G Eigenschaften / general specifications :

Betriebstemp. / operating temperature: -40°C ~ +85°C

Lagerbedingung / storage conditions: 15°C ~ 35°C

45 ~ 75% RH

Leistung/ power capacity : 500 mW max.

Freigabe erteilt / general release:

Kunde / customer	
Datum / date	Unterschrift / signature
Würth Elektronik	
Geprüft / checked	Kontrolliert / approved

AWe	Version 1	04-10-11
Name	**Änderung / modification**	Datum/date

Würth Elektronik eiSos GmbH & Co.KG

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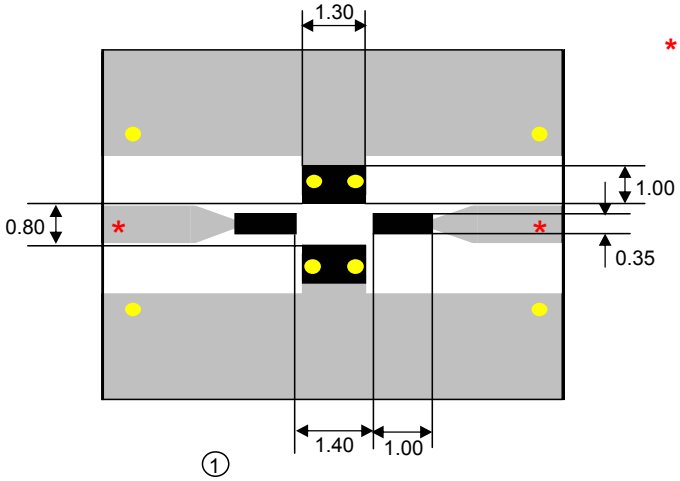
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H Lötpadempfehlung / solder pads:



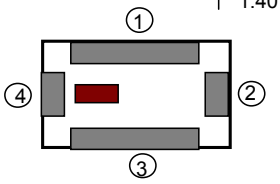
* Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness

Solder Resist

Land

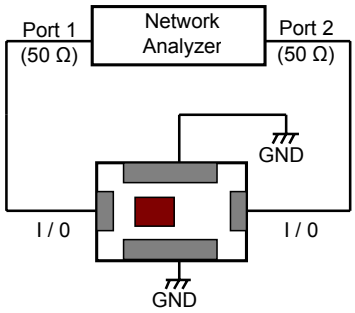
Through-hole (Ø 0.35)

units: mm

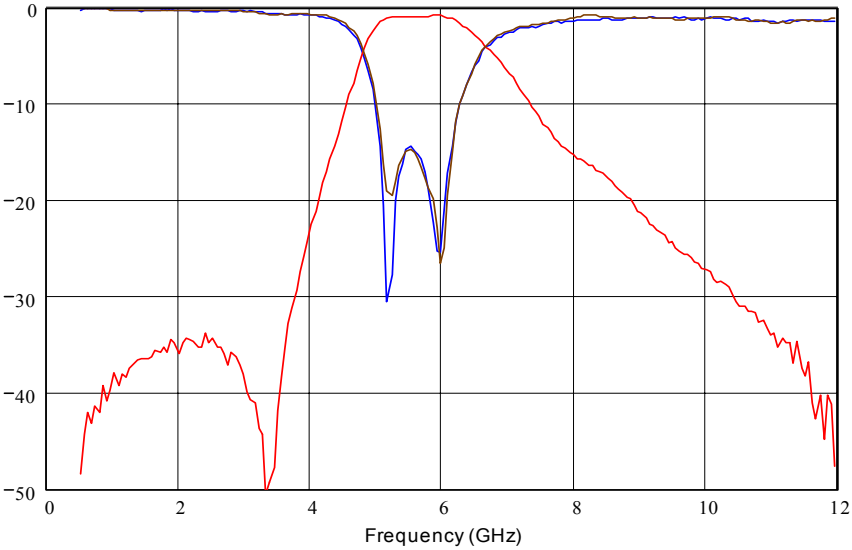


No.	Terminal Name	No.	Terminal Name
①	GND	③	GND
②	OUT	④	IN

K Messdiagramm/ measuring diagram:



Attenuation and Return Loss (dB)



S21 in dB
S11 in dB
S22 in dB

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 us 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

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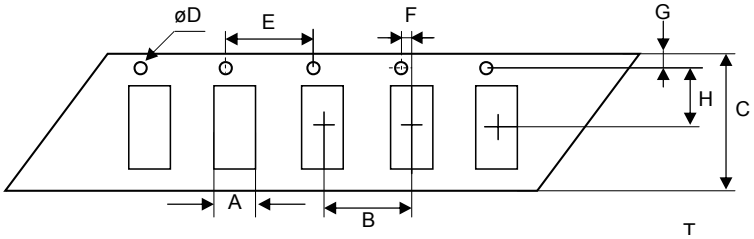
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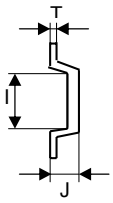
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description : **Bandpass-Filter WE-BPF**

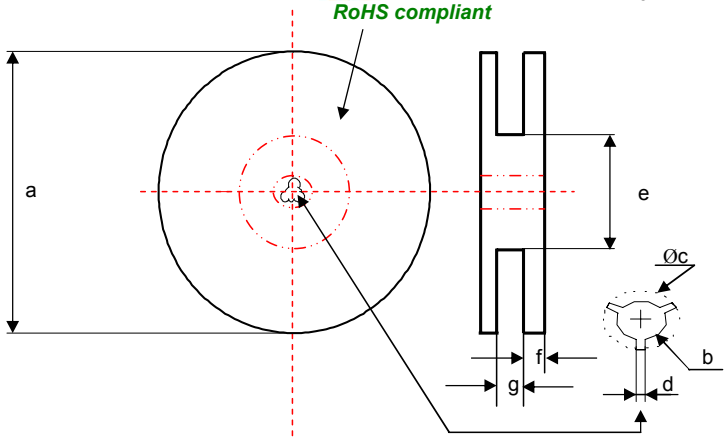
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I Rollenspezifikation / tape and reel specification :





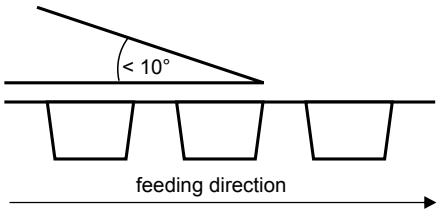
RoHS compliant

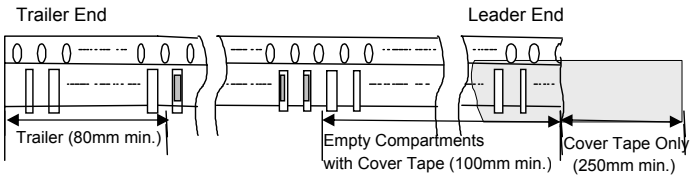


Gurtspezifikation / Tape specification:		
A	**1,6 ± 0,1**	mm
B	**4,0 ± 0,1**	mm
C	**8,0 ± 0,2**	mm
D	**1,5 +0,1/-0,0**	mm
E	**4,0 ± 0,1**	mm
F	**2,0 ± 0,1**	mm
G	**1,75 ± 0,1**	mm
H	**3,5 ± 0,1**	mm
I	**2,4 ± 0,1**	mm
J	**1,3 max.**	mm
T	**0,2 ± 0,05**	mm

Rollenspezifikation / Reel specification:		
a	**178,0 ± 2,0**	mm
b	**13,0 ± 0,3**	mm
c	**21,8 ± 0,8**	mm
d	**2,0 ± 0,5**	mm
e	**60,0 ± 0,5**	mm
f	**1,2 ± 2,0**	mm
g	**9,0 ± 0,3**	mm

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





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