

## Excellent Integrated System Limited

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[Wurth Electronics Inc](#)  
[748351024](#)

For any questions, you can email us directly:

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

## Spezifikation für Freigabe / specification for release

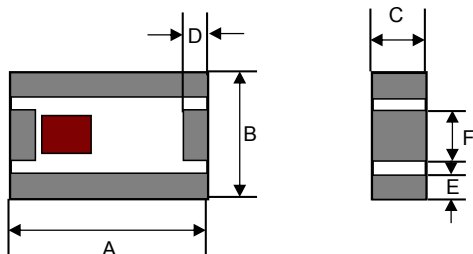
Kunde / customer :  
 Artikelnummer / part number : **748351024**



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

DATUM / DATE : 2004-10-11

### A Mechanische Abmessungen / dimensions :



|   | 1008             |    |
|---|------------------|----|
| A | <b>2,5 ± 0,2</b> | mm |
| B | <b>2,0 ± 0,2</b> | mm |
| C | <b>0,9 ± 0,1</b> | mm |
| D | <b>0,3 ± 0,2</b> | mm |
| E | <b>0,3 ± 0,2</b> | mm |
| F | <b>0,6 ± 0,2</b> | mm |

### B Elektrische Eigenschaften / electrical properties :

| Eigenschaften / properties        | Testbedingungen / test conditions |    | Wert / value       | Einheit / unit | tol.        |
|-----------------------------------|-----------------------------------|----|--------------------|----------------|-------------|
| Frequenzbereich / frequency range | <b>BW</b>                         | f  | <b>2400...2500</b> | MHz            |             |
| Einfügedämpfung / insertion loss  | <b>@ BW</b>                       | IL | <b>1,8</b>         | dB             | <b>max.</b> |
| VSWR                              | <b>@ BW</b>                       |    | <b>2,0</b>         |                | <b>max.</b> |
| Dämpfung I / attenuation I        | <b>880 ... 915 MHz</b>            | A  | <b>30</b>          | dB             | <b>min.</b> |
| Dämpfung II / attenuation II      | <b>1710 ... 1785 MHz</b>          | A  | <b>30</b>          | dB             | <b>min.</b> |
| Dämpfung III / attenuation III    | <b>1850 ... 1910 MHz</b>          | A  | <b>25</b>          | dB             | <b>min.</b> |
| Dämpfung IV / attenuation IV      | <b>4800 ... 5000 MHz</b>          | A  | <b>25</b>          | dB             | <b>min.</b> |
| Dämpfung V / attenuation V        | <b>7200 ... 7500 MHz</b>          | A  | <b>20</b>          | dB             | <b>min.</b> |

### 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

**Spezifikation für Freigabe / specification for release**

Kunde / customer :

Artikelnummer / part number : **748351024**

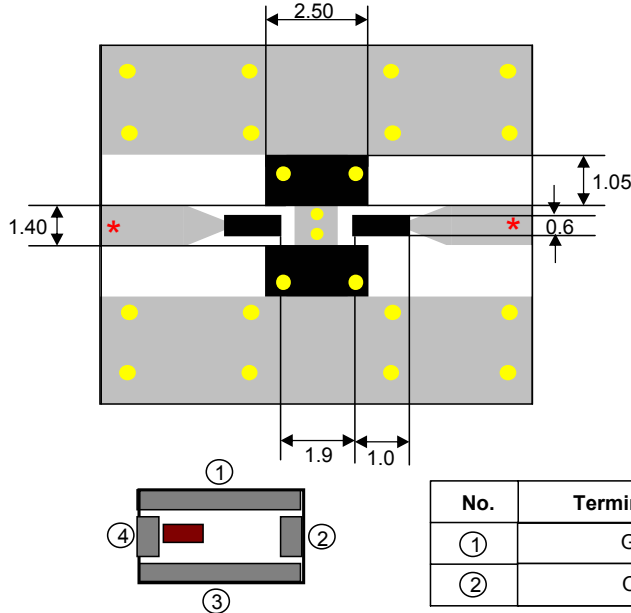
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description : **Bandpass-Filter WE-BPF**

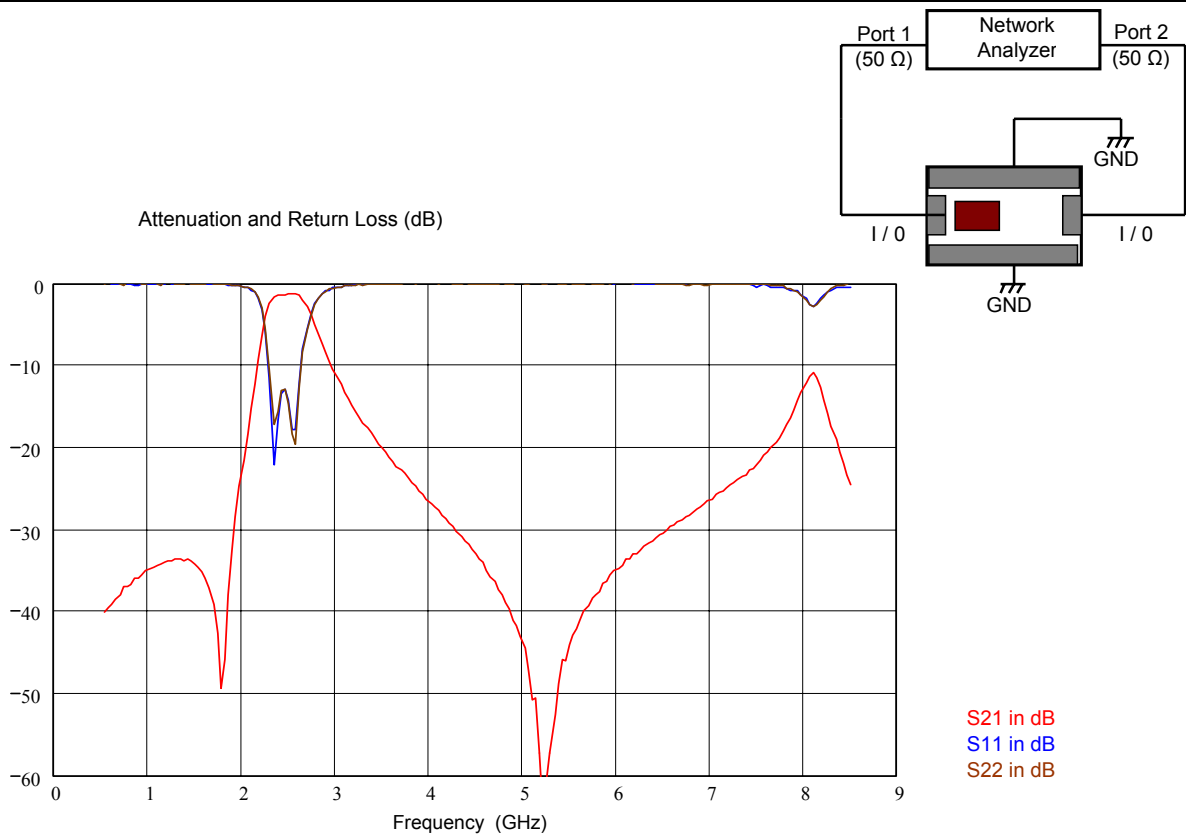


DATUM / DATE : 2004-10-11

**H Lötadempfehlung / solder pads:**



**K Messdiagramm/ measuring diagram:**



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

**Spezifikation für Freigabe / specification for release**

Kunde / customer :

Artikelnummer / part number : **748351024**

LF

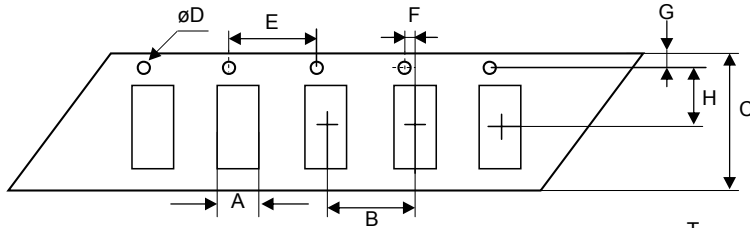


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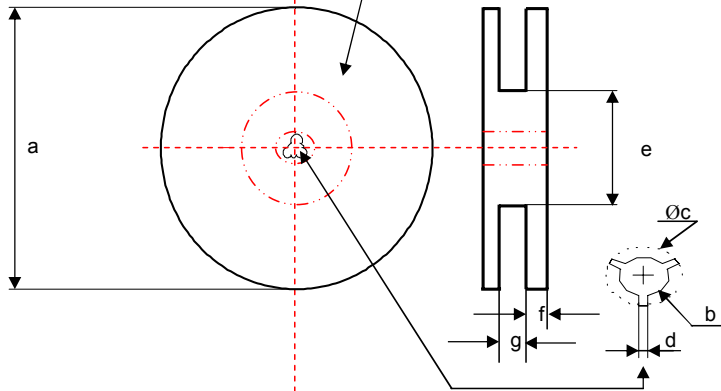
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**I Rollenspezifikation / tape and reel specification :**

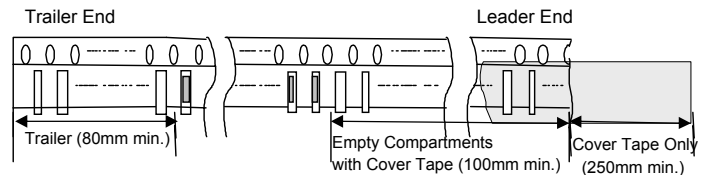
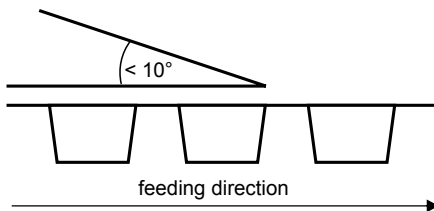


| Gurtspezifikation / Tape specification: |                      |    |
|---|----------------------|----|
| A                                       | <b>2,35 ± 0,1</b>    | mm |
| B                                       | <b>4,0 ± 0,1</b>     | mm |
| C                                       | <b>8,0 ± 0,2</b>     | mm |
| D                                       | <b>1,5 +0,1/-0,0</b> | mm |
| E                                       | <b>4,0 ± 0,1</b>     | mm |
| F                                       | <b>2,0 ± 0,1</b>     | mm |
| G                                       | <b>1,75 ± 0,1</b>    | mm |
| H                                       | <b>3,5 ± 0,1</b>     | mm |
| I                                       | <b>2,8 ± 0,1</b>     | mm |
| J                                       | <b>1,45 max.</b>     | mm |
| T                                       | <b>0,22 ± 0,05</b>   | mm |



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

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



|                                     |                          |                         |            |
|-------------------------------------|--------------------------|-------------------------|------------|
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