



## RF Filters for Cordless Phones

**Series/Type:**        **B7608**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39931B7608A610		2004-05-19	2004-09-30	2004-12-31

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at [www.epcos.com/sales](http://www.epcos.com/sales).



## Withdrawn Products

The following products presented in this data sheet are being withdrawn:

B39931B7608A610

Date of withdrawal: 19-MAY-04

Deadline for last orders: 30-SEP-04

Last shipments: 31-DEC-04

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of the sales offices are given on the Internet at [www.epcos.com/sales](http://www.epcos.com/sales).



# SAW Components

Data Sheet B7608

Data Sheet

A large, stylized, 3D-rendered graphic of the EPCOS logo. The letters "EPCOS" are in a bold, sans-serif font, appearing to be part of a larger, curved structure that resembles a stylized globe or a series of overlapping planes. The graphic is rendered in a light gray color against a dark, textured background.



## SAW Components

B7608

## Low-Loss Filter for Mobile Communication

926,25 MHz

### Data Sheet



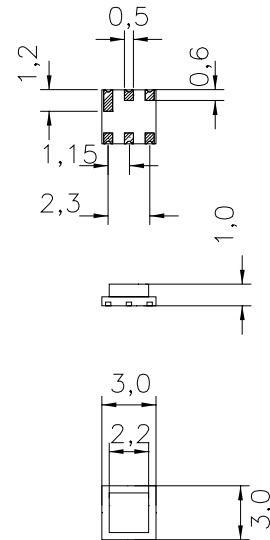
### Chip sized SAW package

#### Features

- Low loss RF filter for cordless telephone CT ISM
- Low amplitude ripple
- High image frequency suppression
- No matching network required for operation at 50  $\Omega$
- Package for **Surface Mounted Technology (SMT)**

#### Terminals

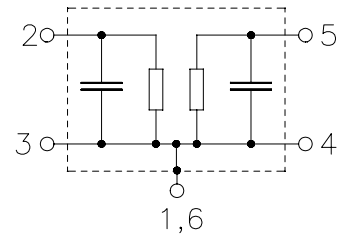
- Gold-plated Ni



Dimensions in mm, approx. weight 0,034 g

#### Pin configuration

- 2 Input
- 5 Output
- 1, 3, 4, 6 Ground



Type	Ordering code	Marking and Package according to	Packing according to
B7608	B39931-B7608-A610	C61157-A7-A62	F61074-V8086-Z000

Electrostatic Sensitive Device (ESD)

#### Maximum ratings

Operable temperature range	$T$	0 /+ 40	$^{\circ}\text{C}$	source impedance 50 $\Omega$
Storage temperature range	$T_{\text{stg}}$	- 40 /+ 85	$^{\circ}\text{C}$	
DC voltage	$V_{\text{DC}}$	0	V	
Input power max.	$P_{\text{IN}}$	0	dBm	



# SAW Components

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## Low-Loss Filter for Mobile Communication

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### Characteristics

Operating temperature range:  $T = 25^{\circ}\text{C} \pm 2^{\circ}\text{C}$   
 Terminating source impedance:  $Z_S = 50\ \Omega$   
 Terminating load impedance:  $Z_L = 50\ \Omega$

		min.	typ.	max.	
<b>Center frequency</b>	$f_c$	—	926,25	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$	—	4,5	6,0	dB
	924,20 ... 928,00 MHz				
<b>Amplitude ripple</b> in any 2,7 MHz span (p-p)	$\Delta\alpha$	—	0,5	2,0	dB
	924,20 ... 928,00 MHz				
<b>Relative attenuation</b> (relative to $\alpha_{\max}$ )	$\alpha_{\text{rel}}$				
	0,00 ... 100,00 MHz	60	70	—	dB
	100,00 ... 500,00 MHz	50	60	—	dB
	500,00 ... 905,70 MHz	40	44	—	dB
	935,00 ... 945,00 MHz	10	32	—	dB
	945,00 ... 1000,00 MHz	40	44	—	dB
	1000,00 ... 2000,00 MHz	25	32	—	dB
<b>Temperature coefficient of frequency</b>	$TC_f$	—	-30	—	ppm/K



SAW Components

B7608

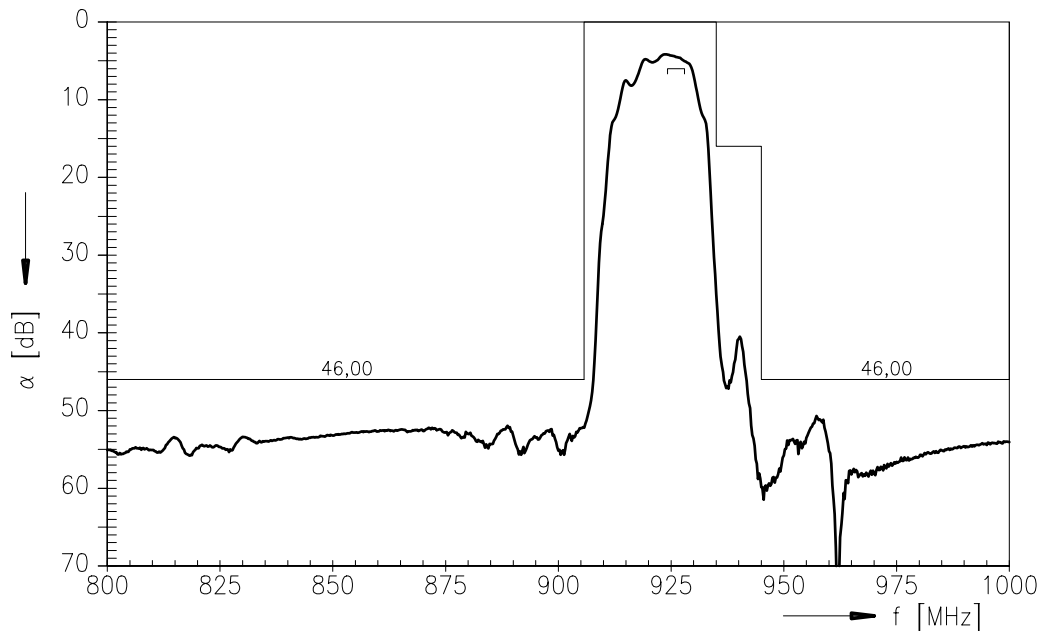
Low-Loss Filter for Mobile Communication

926,25 MHz

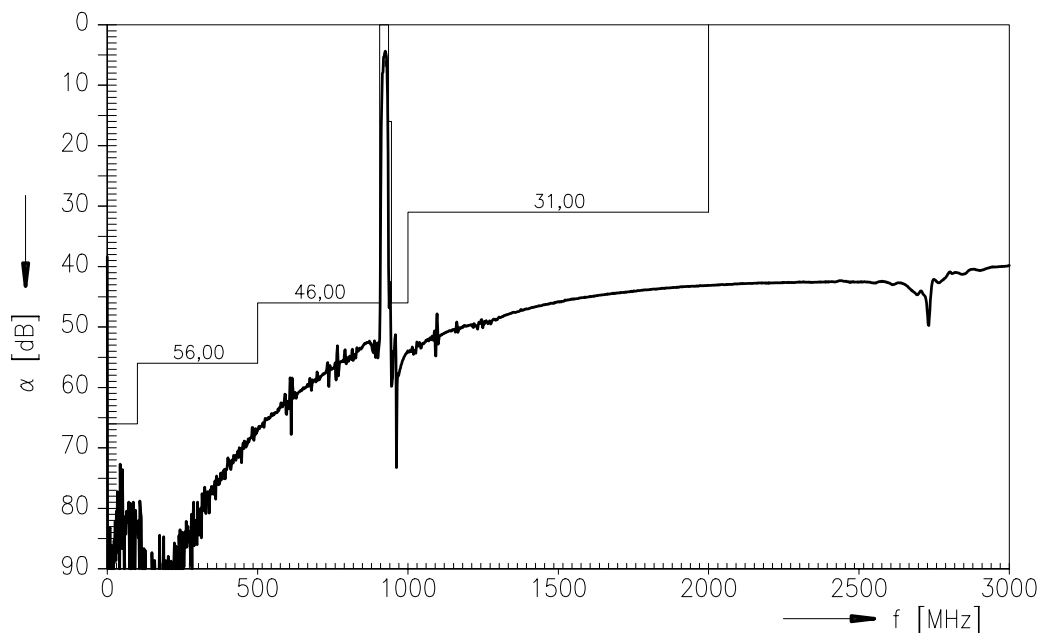
Data Sheet



Transfer function:



Transfer function (wide band):





<b>SAW Components</b>	<b>B7608</b>
<b>Low-Loss Filter for Mobile Communication</b>	<b>926,25 MHz</b>
<b>Data Sheet</b>	<b>SMD</b>

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