



# SAW Components

Data Sheet B3569

Data Sheet

A large, stylized, 3D graphic of the EPCOS logo. The letters "EPCOS" are rendered 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 in grayscale and has a metallic, reflective appearance.



## SAW Components

B3569

## Low Loss Filter

914,50 MHz

### Data Sheet

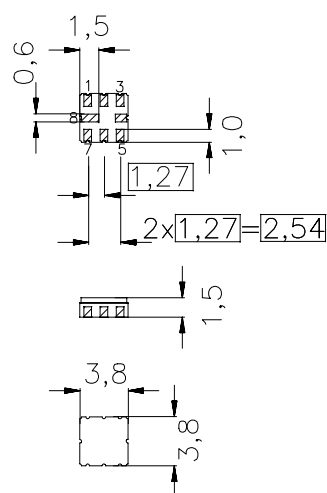
#### Features

- RF low-loss filter for remote control receivers
- Package for **Surface Mounted Technology (SMT)**
- Hermetically sealed ceramic package
- No matching network required for operation at 50  $\Omega$

#### Terminals

- Ni, gold plated

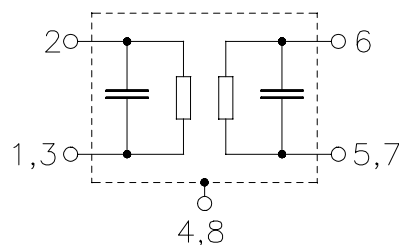
Ceramic package **QCC8B**



Dimensions in mm, approx. weight 0,07 g

#### Pin configuration

1,3	Input Ground
2	Input
5,7	Output Ground
6	Output
4,8	to be grounded



Type	Ordering code	Marking and Package according to	Packing according to
B3569	B39911-B3569-Z810	C61157-A7-A46	F61074-V8037-Z000

Electrostatic Sensitive Device (ESD)

#### Maximum ratings

Operable temperature range	$T$	-20/+ 65	$^{\circ}\text{C}$	
Storage temperature range	$T_{\text{stg}}$	-45/+ 90	$^{\circ}\text{C}$	
DC voltage	$V_{\text{DC}}$	0	V	
Source power	$P_{\text{S}}$	10	dBm	source impedance 50 $\Omega$



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#### Characteristics

Operating temperature range:  $T = -20^{\circ}\text{C}$  to  $65^{\circ}\text{C}$

Terminating source impedance:  $Z_S = 50\ \Omega$

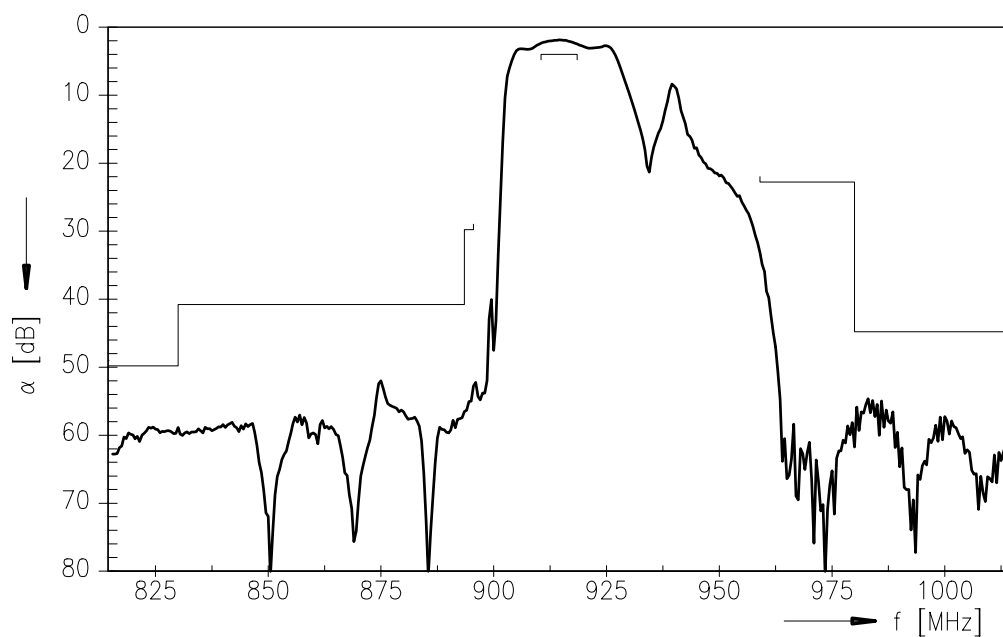
Terminating load impedance:  $Z_L = 50\ \Omega$

		min.	typ.	max.	
<b>Center frequency</b>	$f_c$	—	914,50	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$				
910,50 ... 918,50 MHz		—	3,0	4,0	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$				
910,50 ... 918,50 MHz		—	1,0	2,0	dB
<b>Relative attenuation (relative to <math>\alpha_{\max}</math>)</b>	$\alpha_{\text{rel}}$				
10,00 ... 830,00 MHz		47	52	—	dB
830,00 ... 893,50 MHz		38	43	—	dB
893,50 ... 895,50 MHz		27	40	—	dB
959,00 ... 980,00 MHz		20	25	—	dB
980,00 ... 1200,00 MHz		42	47	—	dB
<b>Temperature coefficient of frequency</b>	$TC_f$	—	-30	—	ppm/K

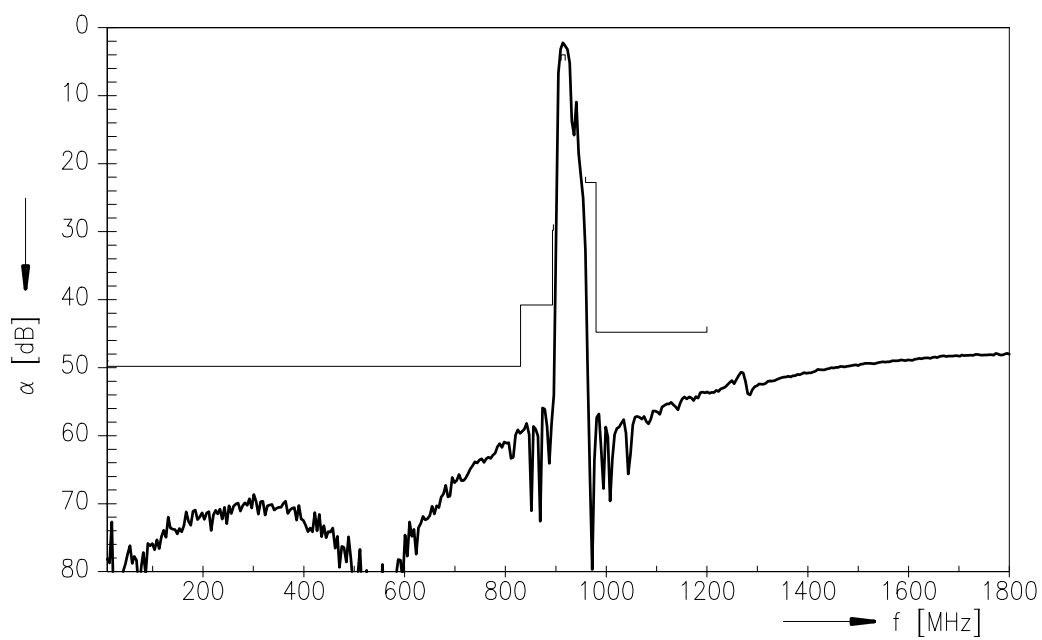


## Data Sheet

## Transfer function



## Transfer function (wideband)





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**Low Loss Filter**

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