



# SAW Filters for Mobile Communications

## **Series/Type: B9000**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39162B9000C710	B39162B9457P810	2012-07-27	2012-10-31	2013-01-31

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).



# SAW Components

B9000

## Low-Loss Filter for Mobile Communication

1575,42 MHz

### Data Sheet



### Characteristics

Operating Temperature Range:  $T = -40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$   
Terminating source impedance:  $Z_S = 50\Omega$   
Terminating load impedance:  $Z_L = 50\Omega$

		min.	typ.	max.	
<b>Center frequency</b>	$f_C$	—	1575,42	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$				
	1574,42 ... 1576,42 MHz*)	—	0,5	0,8	dB
	1574,42 ... 1576,42 MHz	—	0,5	0,9	dB
<b>Amplitude ripple</b>	$\Delta\alpha$				
	1574,42 ... 1576,42 MHz	—	0,0	0,3	dB
<b>Absolute attenuation</b>	$\alpha$				
	500,0MHz ... 894,0 MHz	16	18	—	dB
	894,0MHz ... 1500,0 MHz	15	17	—	dB
	1650,0MHz ... 4000,0 MHz	18	20	—	dB
	4000,0MHz ... 6000,0 MHz	15	20	—	dB
<b>VSWR</b>					
	1574,42MHz ... 1576,42MHz*)	—	1,1	1,5	
	1574,42MHz ... 1576,42 MHz	—	1,1	1,6	

\*)  $T_A = -30 \dots +70^{\circ}\text{C}$



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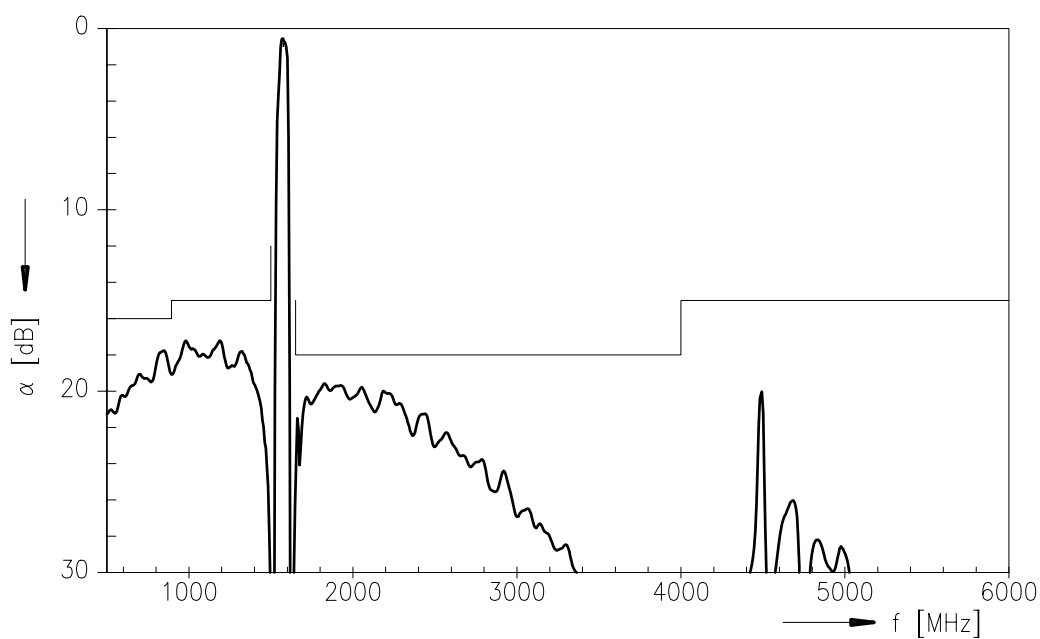
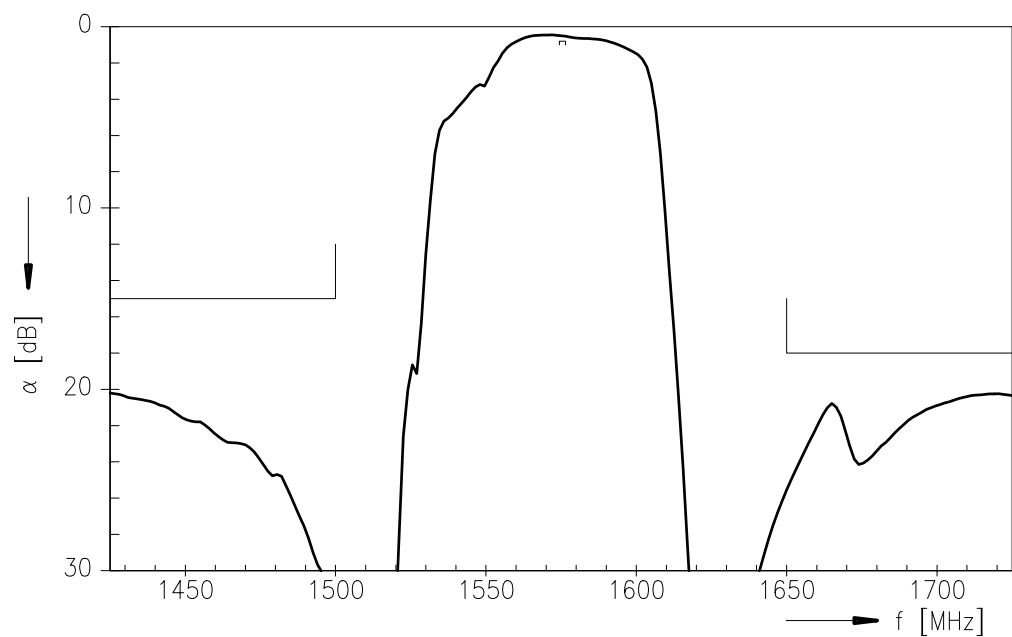
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Transfer function





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**Published by EPCOS AG**

**SAW MC WT, P.O. Box 80 17 09, 81617 Munich, GERMANY**

**TEL ++49 89 636 09, FAX ++49 89 636 2 26 89**

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This brochure replaces the previous edition.

For questions on technology, prices and delivery please contact the Sales Offices of EPCOS AG or the international Representatives.

Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our Sales Offices.