



# SAW Components

Data Sheet B4637





**SAW Components**

**B4637**

**Low-Loss Filter for Mobile Communication**

**915,0 MHz**

**Data Sheet**

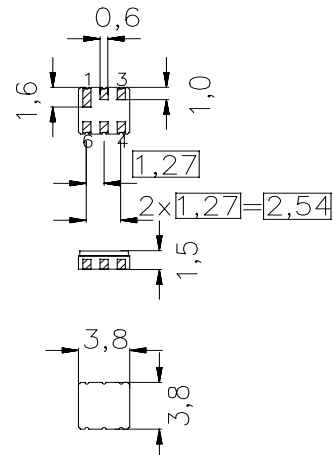
Ceramic package **DCC6**

**Features**

- Low-loss RF filter for wireless communication
- Usable passband 26 MHz
- No matching network required for operation at 50 Ω
- Ceramic package for **Surface Mounted Technology (SMT)**

**Terminals**

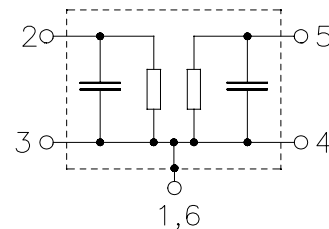
- Ni, gold-plated



Dimensions in mm, approx. weight 0,07g

**Pin configuration**

- |     |                 |
|-----|-----------------|
| 2   | Input           |
| 3   | Input - ground  |
| 5   | Output          |
| 4   | Output - ground |
| 1,6 | Case ground     |



Type	Ordering code	Marking and Package according to	Packing according to
B4637	B39921-B4637-Z610	C61157-A7-A41	F61074-V8030-Z000

Electrostatic Sensitive Device (ESD)

**Maximum ratings**

Operable temperature range	$T$	- 40 / + 85	°C	Machine Model, 10 pulses source and load impedance 50 Ω
Storage temperature range	$T_{stg}$	- 40 / + 85	°C	
DC voltage	$V_{DC}$	0	V	
ESD voltage	$V^*_{ESD}$	100	V	
Source power (cw)	$P_S$	10	dBm	

\*-acc. to JESD22-A115A (Machine Model), 10 negative & 10 positive pulses



Data Sheet

Characteristics

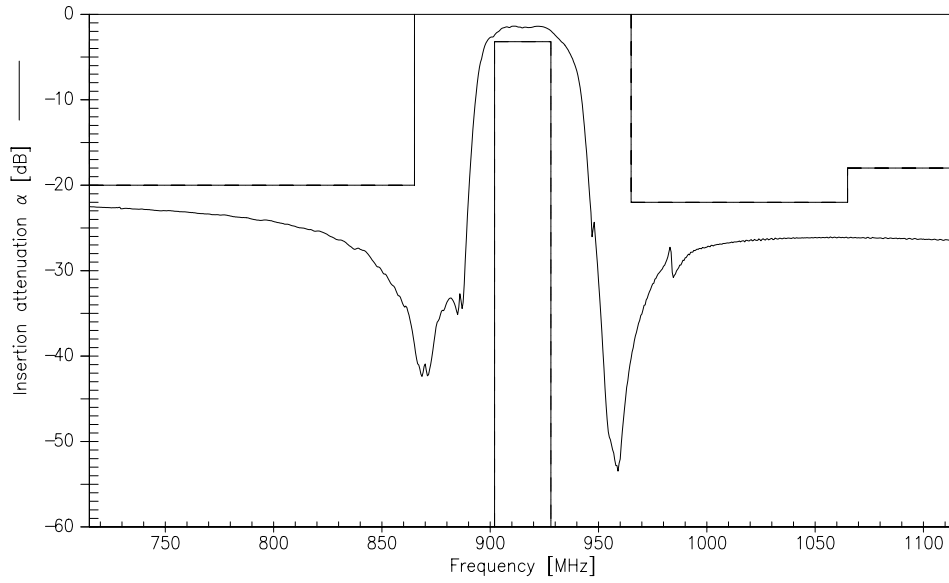
Operating temperature range:  $T = -25\text{ °C to }+85\text{ °C}$   
 Terminating source impedance:  $Z_S = 50\ \Omega$   
 Terminating load impedance:  $Z_L = 50\ \Omega$

		min.	typ.	max.	
<b>Nominal frequency</b>	$f_N$	—	915,0	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{max}$				
902,0 ... 928,0 MHz		—	2,5	3,2	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$				
902,0 ... 928,0 MHz		—	1,3	2,0	dB
<b>Absolute attenuation</b>	$\alpha_{abs}$				
10,0 ... 765,0 MHz		20	23	—	dB
765,0 ... 865,0 MHz		20	24	—	dB
965,0 ... 1065,0 MHz		22	26	—	dB
1065,0 ... 2000,0 MHz		18	21	—	dB
<b>Temperature coefficient of frequency</b>	$TC_f$	—	- 30	—	ppm/K

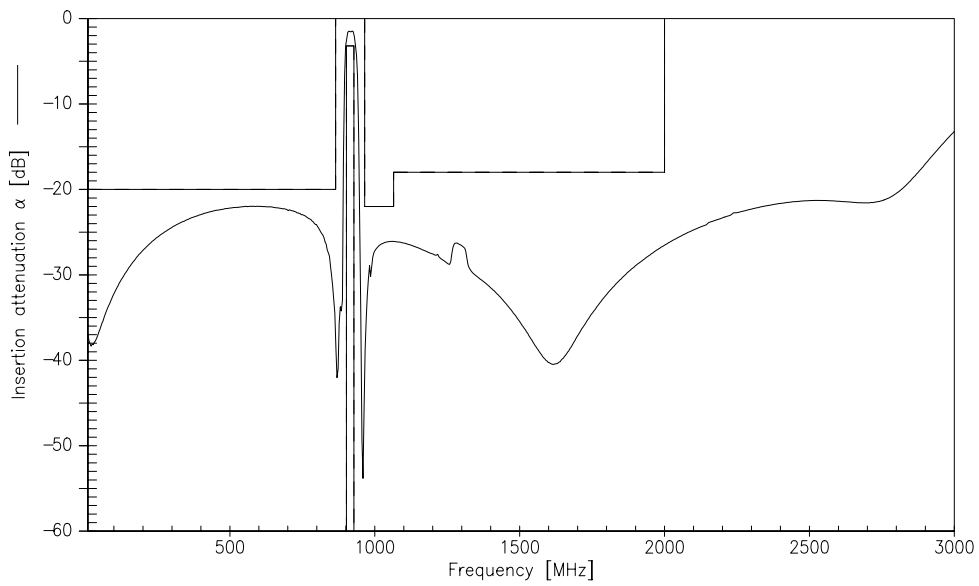


Data Sheet

Transfer function (narrow band)



Transfer function (wide band)





**SAW Components**

**B4637**

**Low-Loss Filter for Mobile Communication**

**915,0 MHz**

**Data Sheet**

**Published by EPCOS AG**

**Surface Acoustic Wave Components Division, SAW MC PD**

**P.O. Box 80 17 09, D-81617 München**

© EPCOS AG 2005. All Rights Reserved. Reproduction, publication and dissemination of this brochure and the information contained therein without EPCOS' prior express consent is prohibited.

The information contained in this brochure describes the type of component and shall not be considered as guaranteed characteristics. Purchase orders are subject to the General Conditions for the Supply of Products and Services of the Electrical and Electronics Industry recommended by the ZVEI (German Electrical and Electronic Manufacturers' Association), unless otherwise agreed.

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.