



# SAW Components

Data Sheet B4637





**SAW Components**

**B4637**

**Low-Loss Filter for Mobile Communication**

**915,0 MHz**

**Data Sheet**

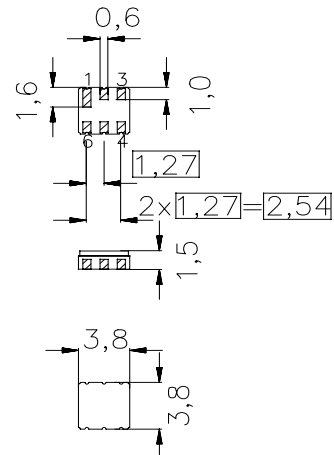
Ceramic package **DCC6**

**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**

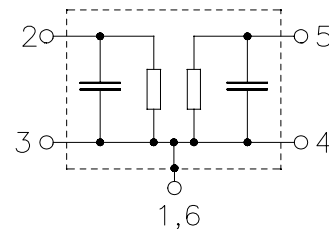
- Ni, gold-plated



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



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Characteristics

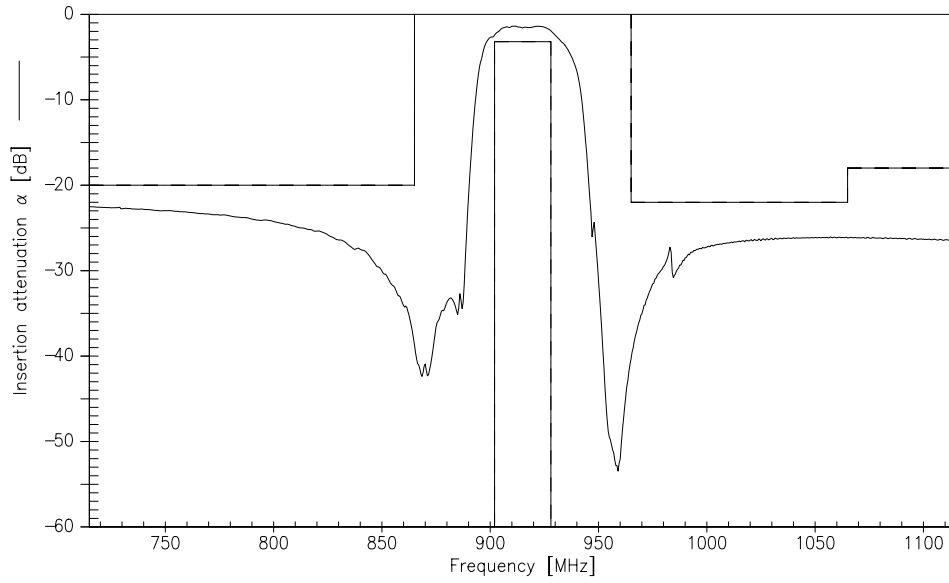
Operating temperature range:  $T = -25\text{ °C to }+85\text{ °C}$   
 Terminating source impedance:  $Z_S = 50\ \Omega$   
 Terminating load impedance:  $Z_L = 50\ \Omega$

		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

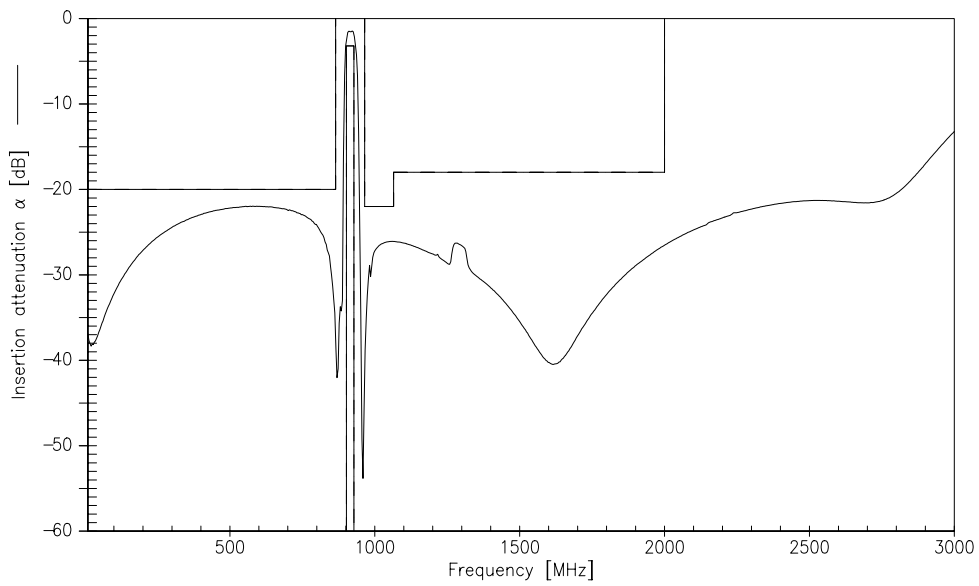


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Transfer function (narrow band)



Transfer function (wide band)





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**Published by EPCOS AG**

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

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