

SAW Components

Data Sheet B4637

Data Sheet

The EPCCOS logo, featuring the word "EPCCOS" in a large, white, sans-serif font. The letters are slightly tilted and appear to be floating or emerging from a dark, abstract background that includes a faint, glowing globe and some geometric shapes.

SAW Components

B4637

Low-Loss Filter for Mobile Communication

915,0 MHz

Data Sheet

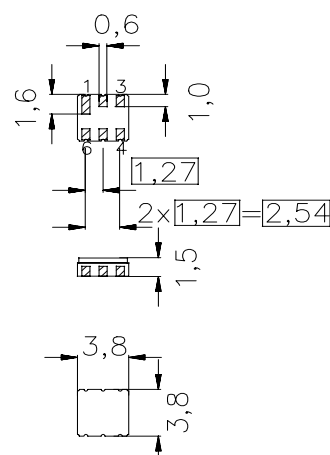
Ceramic package **DCC6**

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

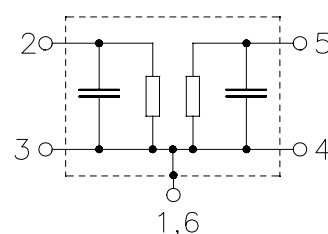
- Ni, gold-plated



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	$^{\circ}\text{C}$	Machine Model, 10 pulses source and load impedance 50 Ω
Storage temperature range	T_{stg}	- 40 / + 85	$^{\circ}\text{C}$	
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

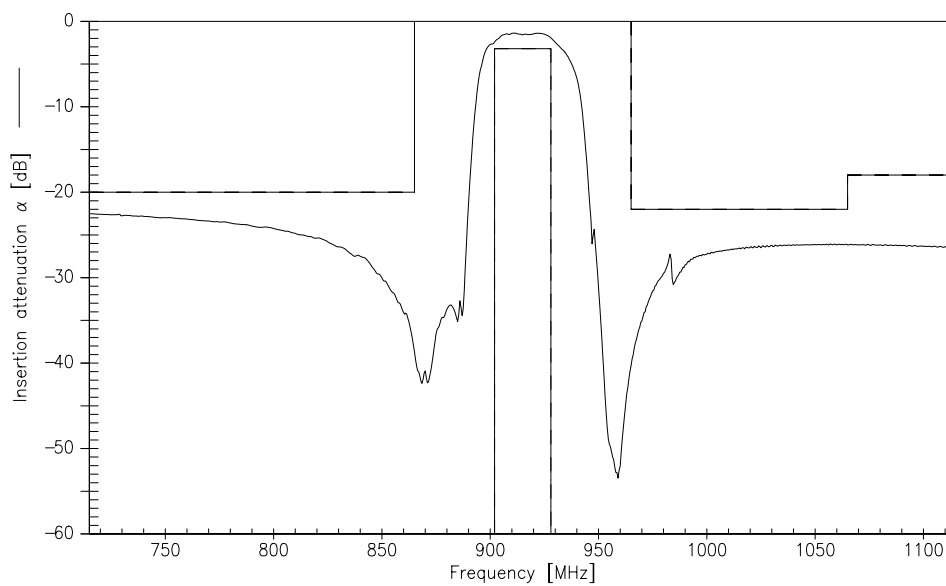
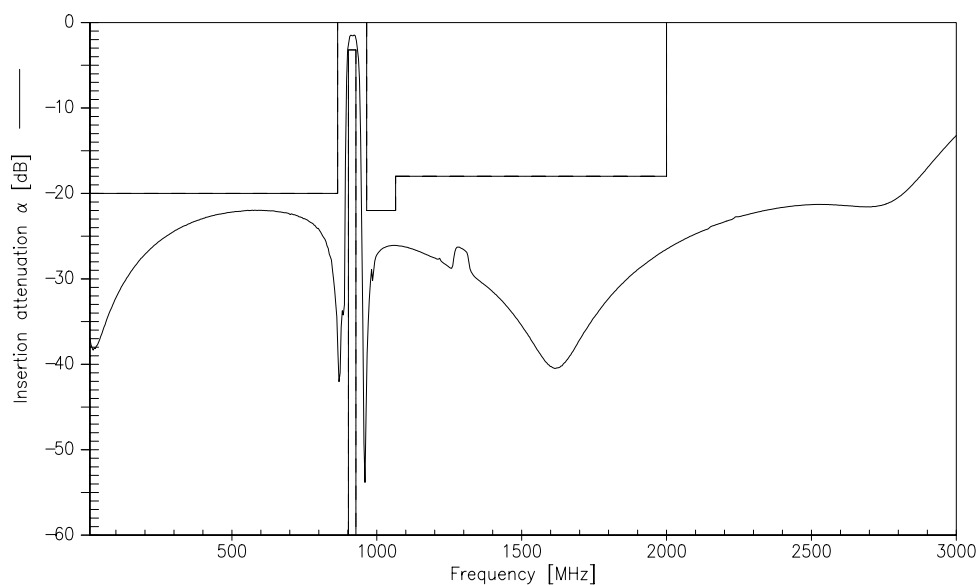
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Low-Loss Filter for Mobile Communication
915,0 MHz
Data Sheet
Characteristics

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.	
Nominal frequency	f_N	—	915,0	—	MHz
Maximum insertion attenuation	α_{\max}				
902,0 ... 928,0 MHz		—	2,5	3,2	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
902,0 ... 928,0 MHz		—	1,3	2,0	dB
Absolute attenuation	α_{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
Temperature coefficient of frequency	TC_f	—	– 30	—	ppm/K

Data Sheet
Transfer function (narrow band)

Transfer function (wide band)


Published by EPCOS AG**Surface Acoustic Wave Components Division, SAW MC PD****P.O. Box 80 17 09, D-81617 München**

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