



SAW Components

Data Sheet B4046

Data Sheet

An abstract, grayscale graphic featuring a large, stylized, and slightly blurred "EPCOS" logo. The logo is set against a background of curved, overlapping bands and a faint world map, creating a sense of global connectivity and technology.

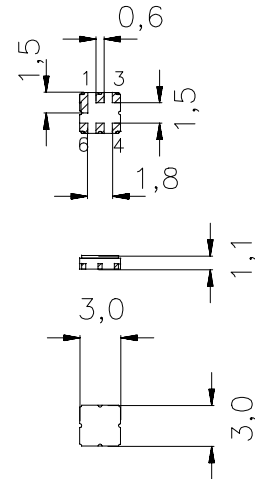


SAW Components	B4046
Low-Loss Filter for Mobile Communication	938,0 MHz
Data Sheet	SMD

Features

- Low-loss RF filter for two-way Interactive Pager, receive path
- No matching network required for operation at 50 Ω
- Ceramic package for **Surface Mounted Technology (SMT)**

Ceramic package **DCC6C**



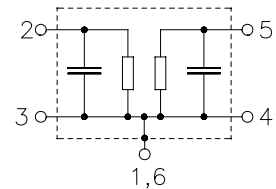
Terminals

- Ni, gold-plated

Dimensions in mm, approx. weight 0,037 g

Pin configuration

2	Input
3	Input - ground
5	Output
4	Output - ground
1,6	To be grounded



Type	Ordering code	Marking and Package according to	Packing according to
B4046	B39941-B4046-U410	C61157-A7-A67	F61074-V8088-Z000

Electrostatic **S**ensitive **D**evice (**ESD**)

Maximum ratings

Operable temperature range	T	- 40 / + 85	$^{\circ}\text{C}$	source and load impedance 50 Ω , continuous wave
Storage temperature range	T_{stg}	- 40 / + 85	$^{\circ}\text{C}$	
DC voltage	V_{DC}	0	V	
Input power max.	P_{IN}			
896,0 ... 902,0 MHz		23	dBm	
elsewhere		10	dBm	



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Characteristics

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

		min.	typ.	max.	
Center frequency	f_c	—	938,0	—	MHz
Maximum insertion attenuation	α_{\max}				
935,0 ... 941,0 MHz		—	1,6	2,2	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
935,0 ... 941,0 MHz		—	0,6	1,2	dB
VSWR					
935,0 ... 941,0 MHz		—	1,4	1,9	
Attenuation	α				
0,0 ... 902,0 MHz		35,0	38,0	—	dB
980,0 ... 1500,0 MHz		35,0	40,0	—	dB
1500,0 ... 2000,0 MHz		30,0	32,0	—	dB



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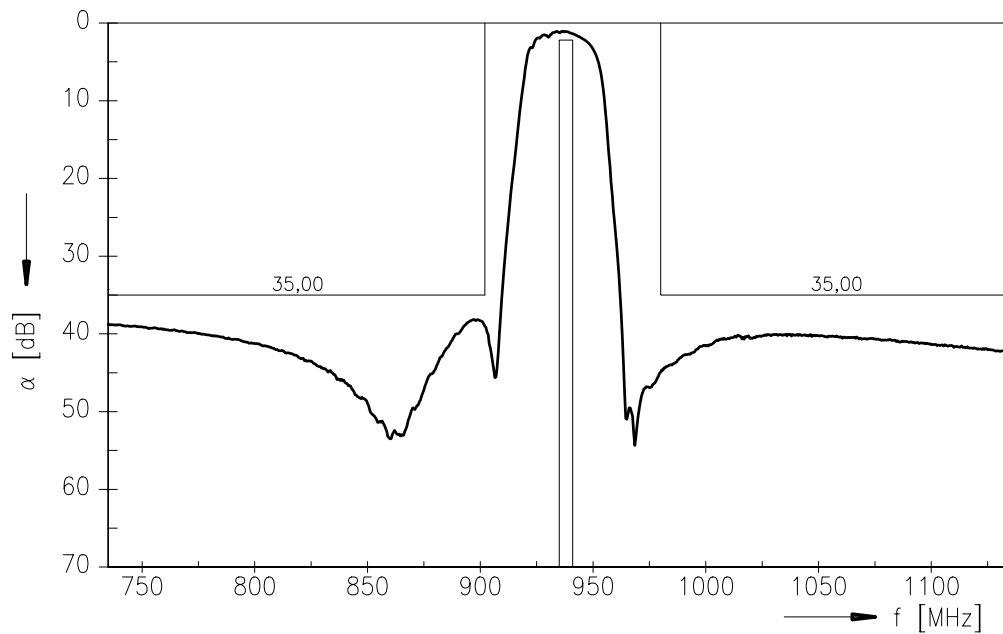
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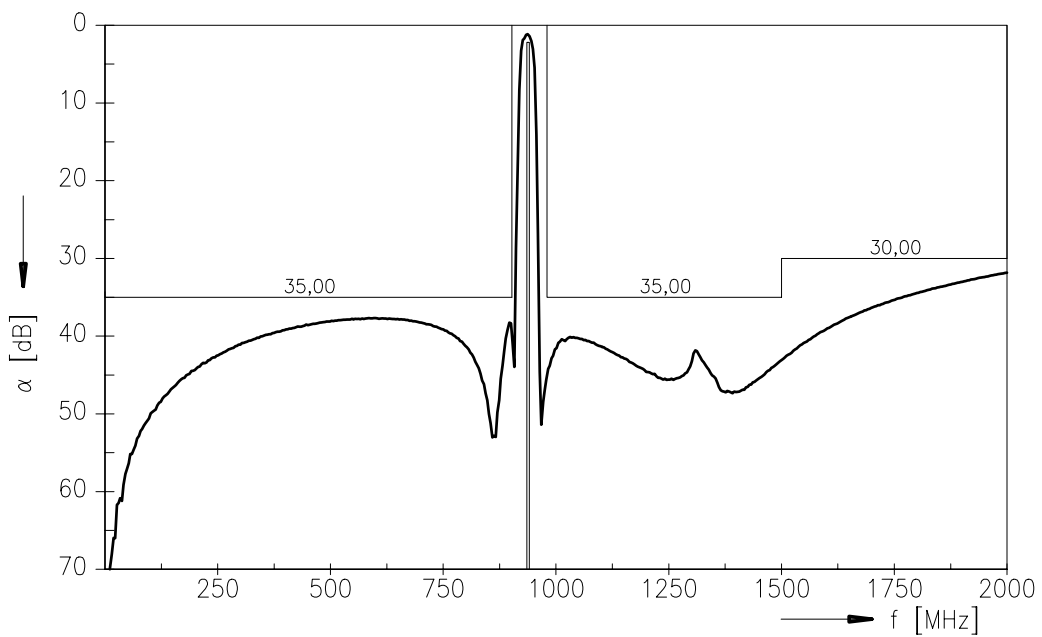
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Transfer function



Transfer function (wideband)





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Published by EPCOS AG

Surface Acoustic Wave Components Division, OFW E MF

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