



# SAW Components

Preliminary Data B4049

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 technological advancement.



## SAW Components

B4049

## Low-Loss Filter for Mobile Communication

1240,0 MHz

### Preliminary Data



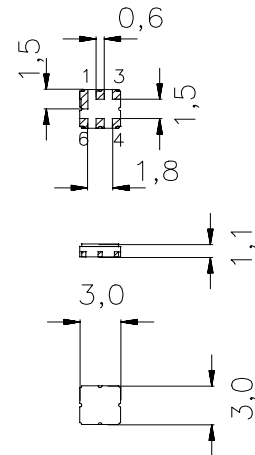
Ceramic package **DCC6C**

### Features

- Low-loss RF filter for WLAN IF
- Low amplitude ripple
- Usable passband 20 MHz
- Ceramic package for **Surface Mounted Technology (SMT)**

### Terminals

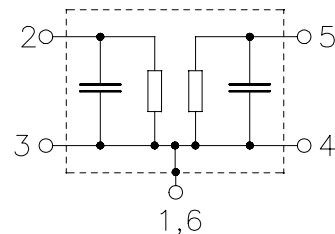
- Ni , gold-plated



Dimensions in mm, approx. weight 0,037 g

### Pin configuration

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



Type	Ordering code	Marking and Package according to	Packing according to
B4049		C61157-A7-A67	F61074-V8088-Z000

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

### Maximum ratings

Operable temperature range	$T$	0 / + 55	°C	
Storage temperature range	$T_{\text{stg}}$	- 40 / + 85	°C	
DC voltage	$V_{\text{DC}}$	0	V	
Input power max.	$P_{\text{IN}}$	0	dBm	



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### Characteristics

Operating temperature range:  $T = 0 \text{ to } +55 \text{ }^{\circ}\text{C}$

Terminating source impedance:  $Z_S = 50 \text{ } \Omega$

Terminating load impedance:  $Z_L = 50 \text{ } \Omega$

			min.	typ.	max.	
<b>Center frequency</b>	$f_C$		—	1240,0	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$					
	1230,0 ... 1250,0	MHz	—	2,9	4,0	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$					
	1230,0 ... 1250,0	MHz	—	0,6	1,5	dB
<b>Attenuation (relative to <math>\alpha_{\max}</math>)</b>	$\alpha_{\text{rel}}$					
	0,0 ... 1150,0	MHz	40	53	—	dB
	1150,0 ... 1200,0	MHz	35	39	—	dB
	1200,0 ... 1212,0	MHz	27	30	—	dB
	1268,0 ... 1500,0	MHz	24	27	—	dB
	1500,0 ... 2500,0	MHz	40	46	—	dB
	2500,0 ... 4000,0	MHz	17	21	—	dB



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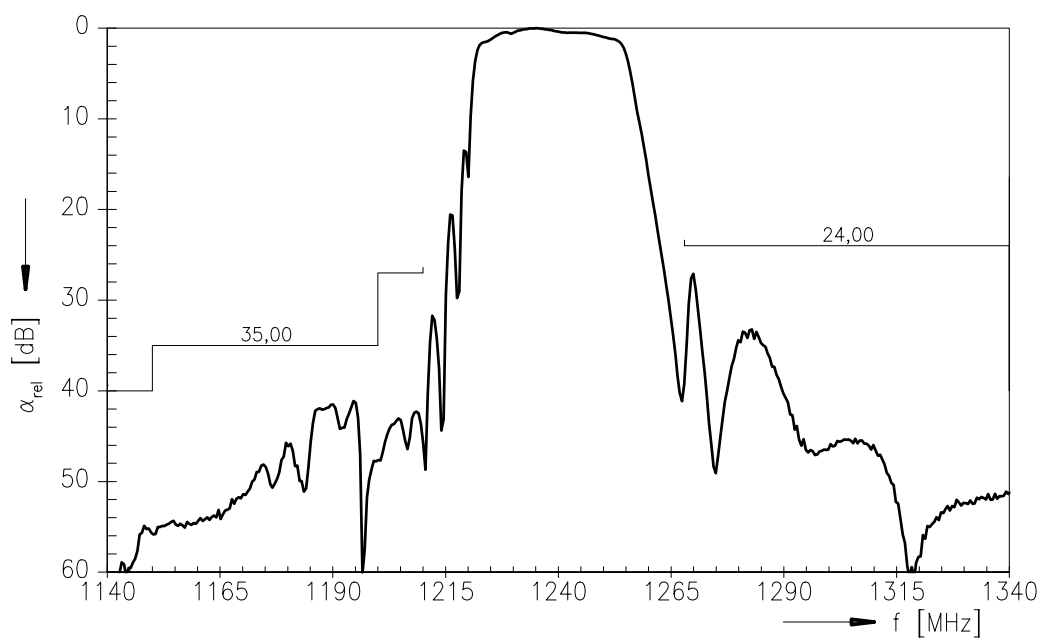
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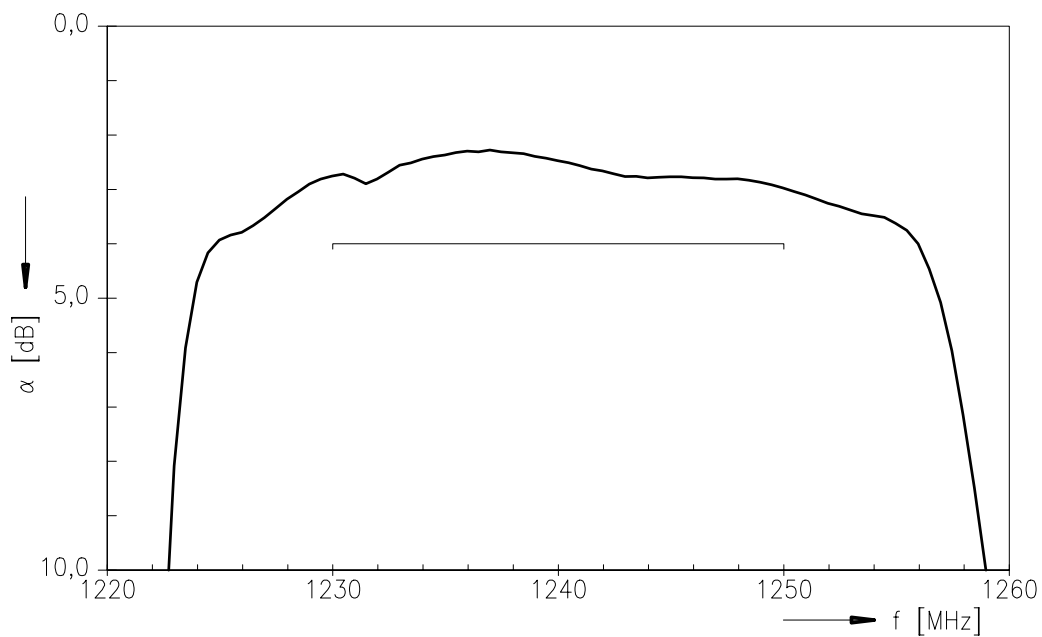
Preliminary Data



Transfer function (normalized)



Transfer function (passband)





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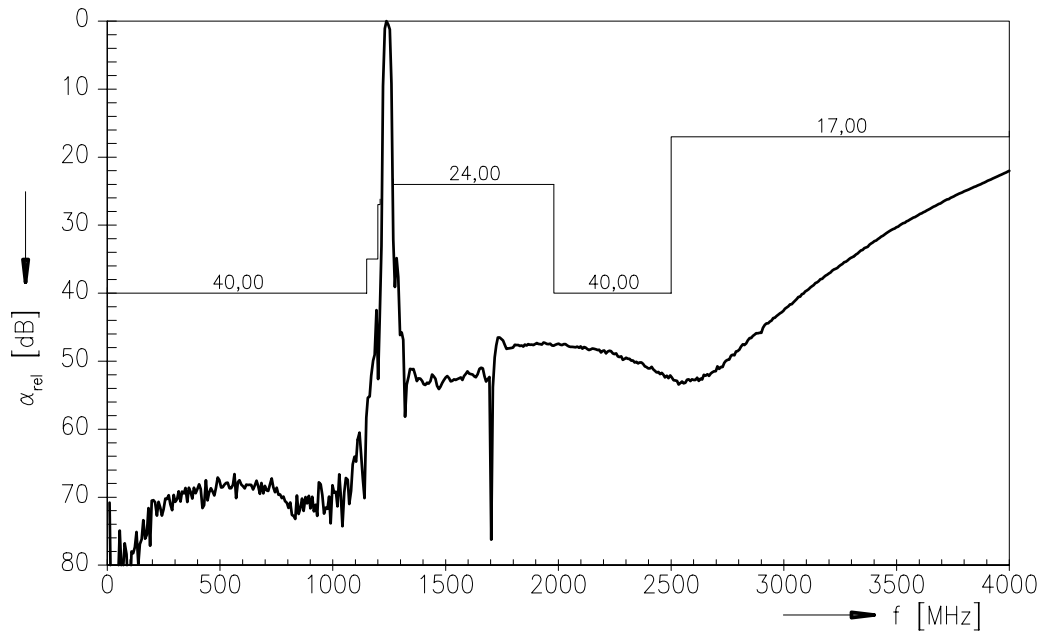
Low-Loss Filter for Mobile Communication

1240,0 MHz

Preliminary Data



Transfer function (wideband, normalized)





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**Preliminary Data**



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