



SAW Components

Preliminary Data B4049

Data Sheet

An abstract, high-tech graphic. The word "EPCOS" is rendered in large, glowing, 3D letters that appear to be floating or emerging from a dark, textured background. Behind the letters, a faint, stylized globe is visible, along with abstract patterns that suggest circuitry or data flow. The overall aesthetic is futuristic and technological.



SAW Components

B4049

Low-Loss Filter for Mobile Communication

1240,0 MHz

Preliminary Data



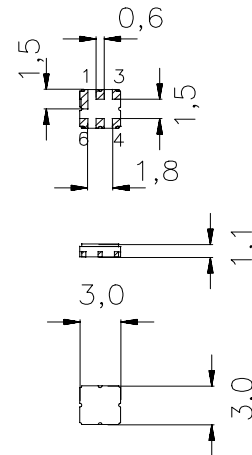
Ceramic package **DCC6C**

Features

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

Terminals

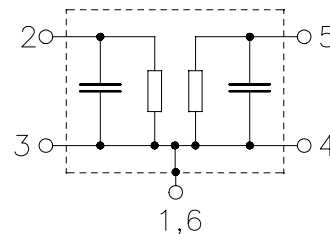
- Ni , gold-plated



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_{stg}	- 40 / + 85	°C	
DC voltage	V_{DC}	0	V	
Input power max.	P_{IN}	0	dBm	



SAW Components

B4049

Low-Loss Filter for Mobile Communication

1240,0 MHz

Preliminary Data



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.	
Center frequency	f_C		—	1240,0	—	MHz
Maximum insertion attenuation	$\alpha_{\max}$					
	1230,0 ... 1250,0 MHz		—	2,9	4,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$					
	1230,0 ... 1250,0 MHz		—	0,6	1,5	dB
Attenuation (relative to $\alpha_{\max}$)	α_{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



SAW Components

B4049

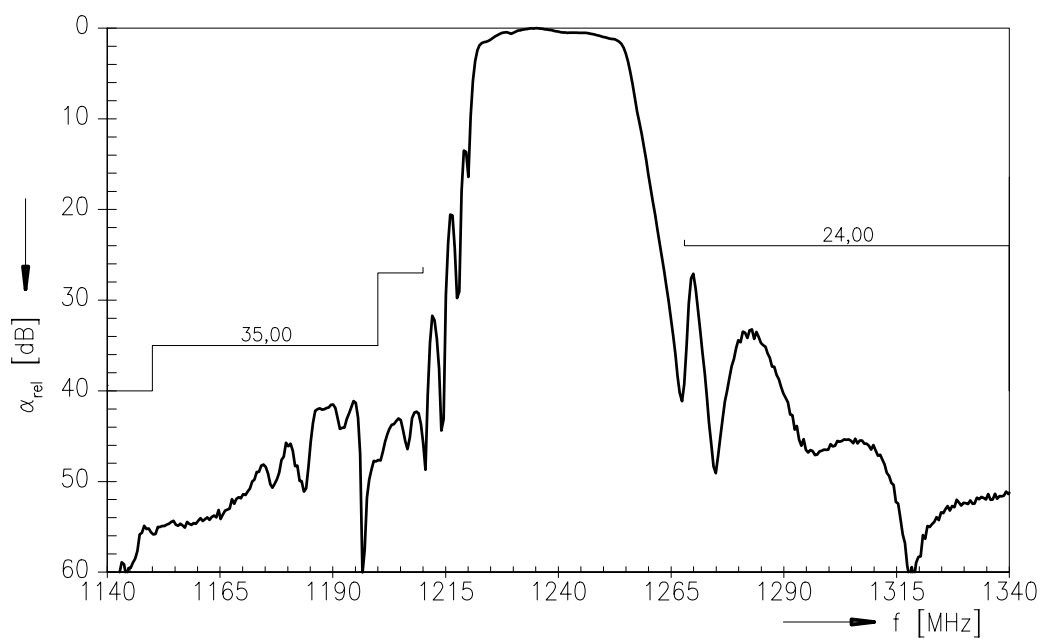
Low-Loss Filter for Mobile Communication

1240,0 MHz

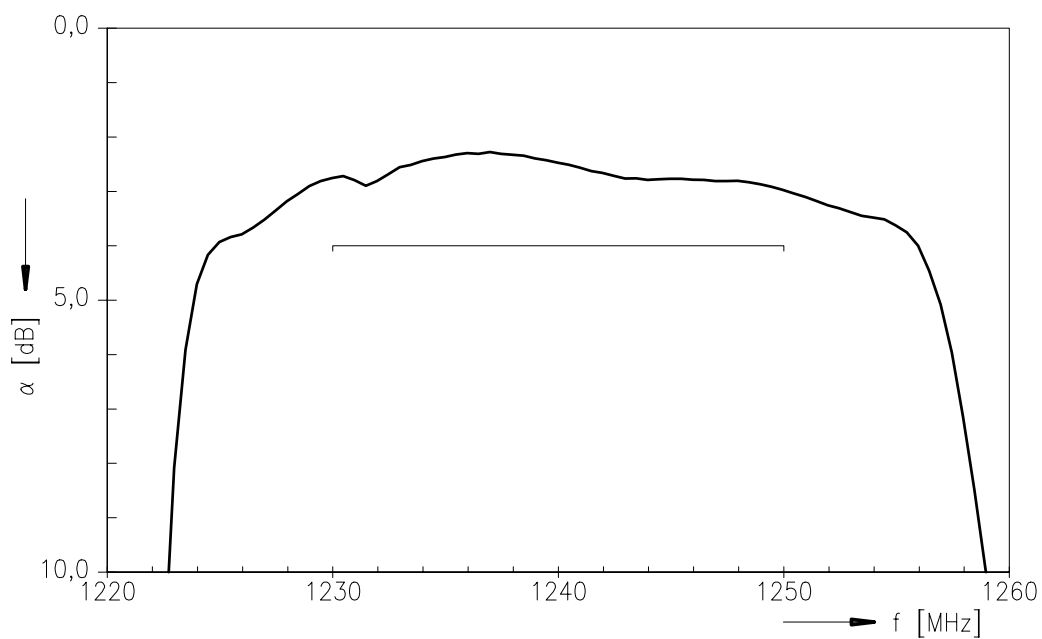
Preliminary Data



Transfer function (normalized)



Transfer function (passband)





SAW Components

B4049

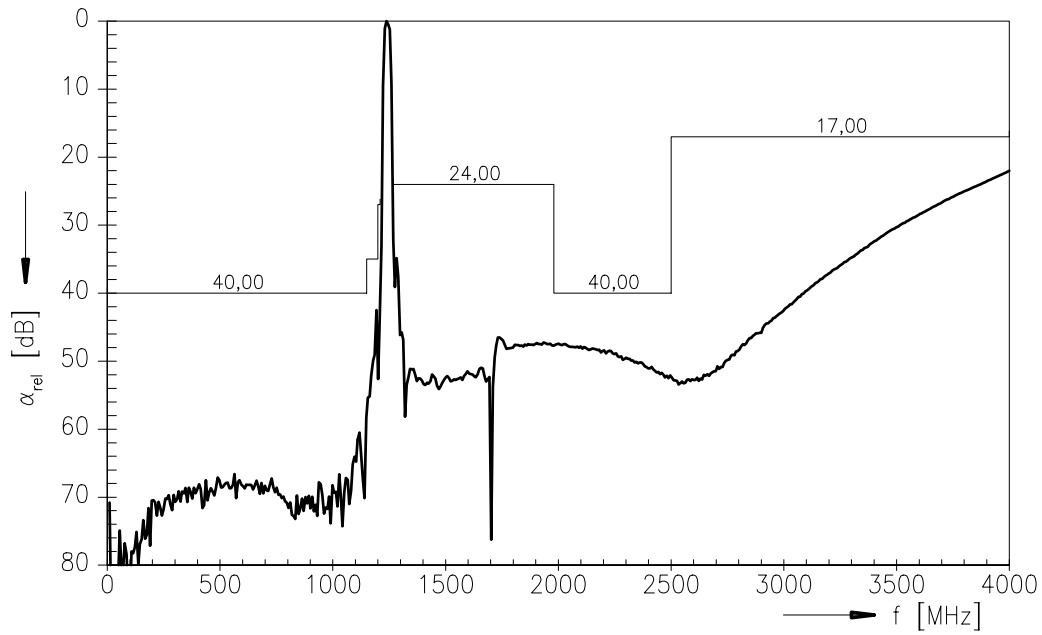
Low-Loss Filter for Mobile Communication

1240,0 MHz

Preliminary Data



Transfer function (wideband, normalized)





SAW Components

B4049

Low-Loss Filter for Mobile Communication

1240,0 MHz

Preliminary Data



Published by EPCOS AG

Surface Acoustic Wave Components Division, OFW E MF

P.O. Box 80 17 09, D-81617 München

© EPCOS AG 1999. All Rights Reserved.

As far as patents or other rights of third parties are concerned, liability is only assumed for components per se, not for applications, processes and circuits implemented within components or assemblies.

The information describes the type of component and shall not be considered as assured characteristics.

Terms of delivery and rights to change design reserved.

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.