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# SAW Components

Data Sheet B4041

Data Sheet

A large, stylized graphic of the EPCOS logo is superimposed on a globe. The globe is rendered in a dark, semi-transparent style, showing the outlines of continents. The EPCOS logo, including the stylized triangle and the word "EPCOS", is shown in a light, glowing white color, appearing to be part of the globe's surface.



<b>SAW Components</b>	<b>B4041</b>
<b>Low-Loss Filter for Mobile Communication</b>	<b>2450,0 MHz</b>
Data Sheet	

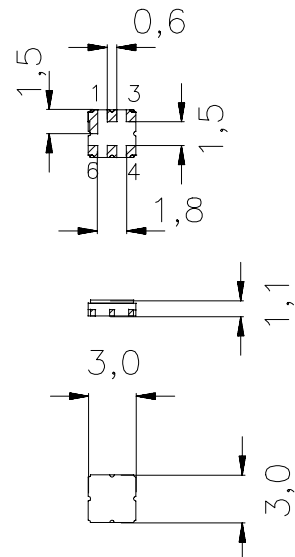
**Features**

- Low-loss RF filter for ISM 2450 MHz
- Low amplitude ripple
- Usable passband 97 MHz
- Package for Surface Mounted Technology (SMT)
- Ceramic SMD package

**Terminals**

- Gold-plated Ni

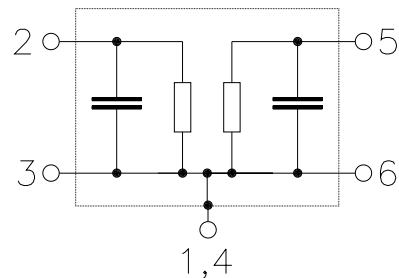
Ceramic package **DCC6C**



Dimensions in mm, approx. weight 0,037 g

**Pin configuration**

- 2 Input
- 5 Output
- 1, 3, 4, 6 Ground, to be grounded



Type	Ordering code	Marking and Package according to	Packing according to
B4041	B39252-B4041-U410	C61157-A7-A67	F61074-V8088-Z000

Electrostatic Sensitive Device (ESD)

**Maximum ratings**

Operating temperature range	$T$	- 40/+ 85	°C	
Storage temperature range	$T_{stg}$	- 40/+ 85	°C	
DC voltage	$V_{DC}$	0	V	
Input Power max.	$P_{IN}$	7,5	dBm	source impedance 50 $\Omega$



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**Characteristics**

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

		min.	typ.	max.	
<b>Center frequency</b>	$f_C$	—	2448,5	—	MHz
<b>Maximum insertion attenuation</b> 2400,0 ... 2497,0 MHz	$\alpha_{\max}$	—	2,9	4,0	dB
		—	2,6*	3,0*	dB
<b>Amplitude ripple</b> 2400,0 ... 2497,0 MHz	$\Delta\alpha$	—	1,4	2,7	dB
<b>Attenuation</b>	$\alpha$	15	19	—	dB
		18	22	—	dB
		24	28	—	dB
		22	26	—	dB
		24	28	—	dB
		20	25	—	dB
7	10	—	dB		

\* alternative operating temperature range ( $T = -10^{\circ}\text{C}$  to  $55^{\circ}\text{C}$ ) for indoor application

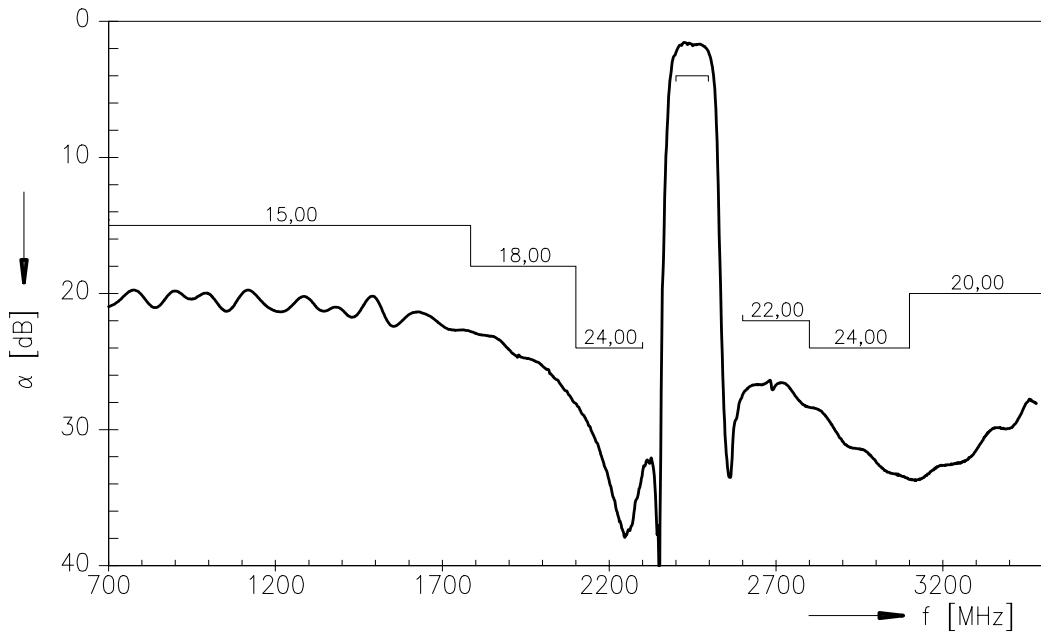


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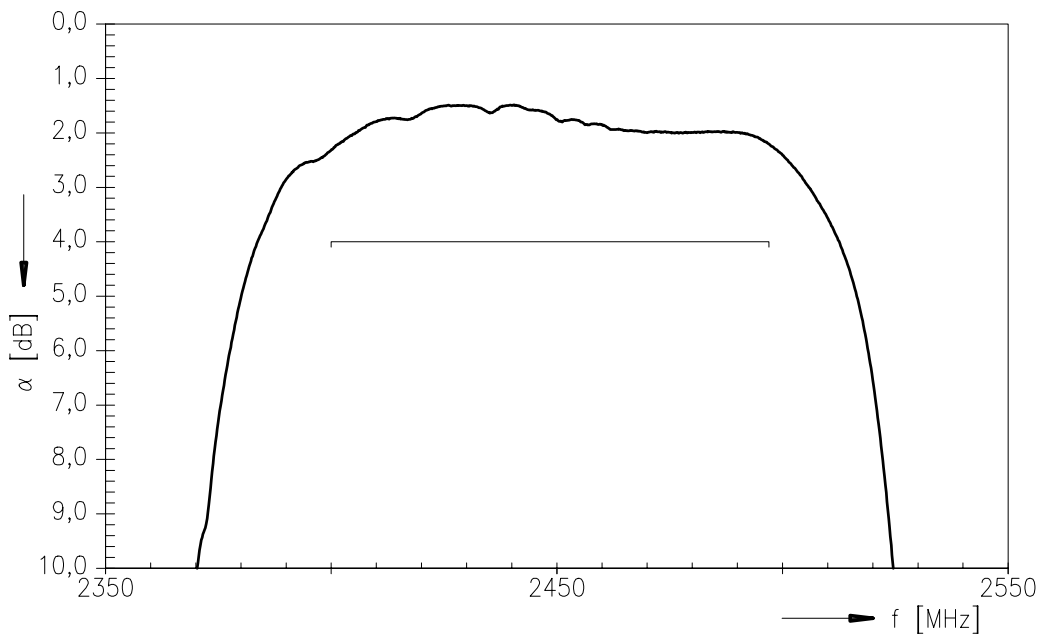
Data Sheet



**Transfer function**



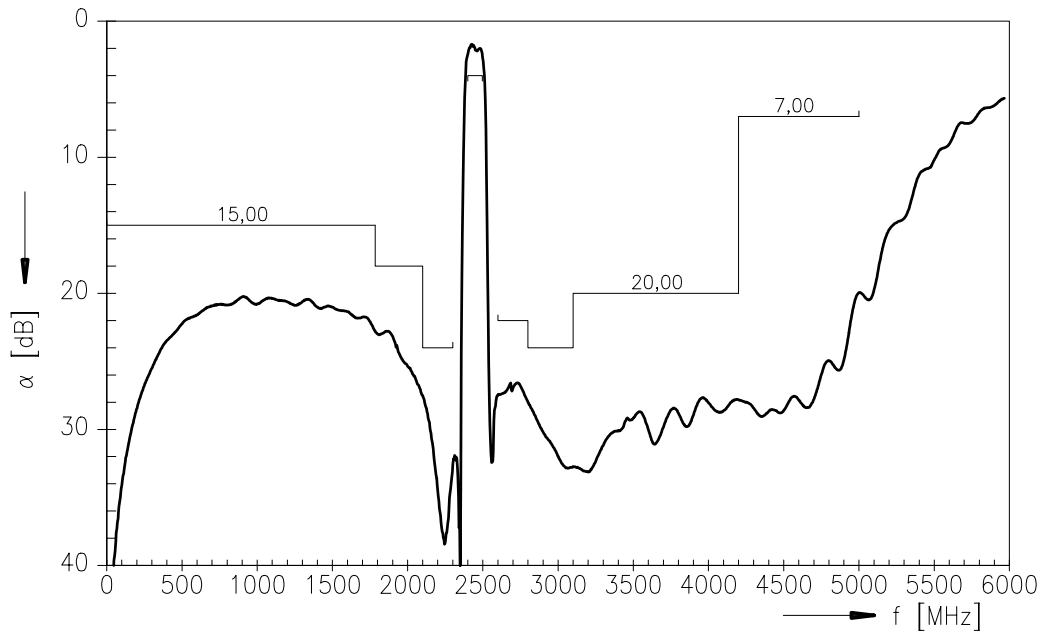
**Transfer function (passband)**





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Transfer function (wideband)



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