



# SAW Components

Data Sheet B4041

Data Sheet



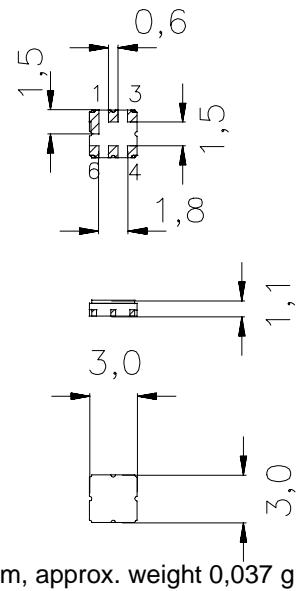
**SAW Components**
**B4041**
**Low-Loss Filter for Mobile Communication**
**2450,0 MHz**
**Data Sheet**

**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**

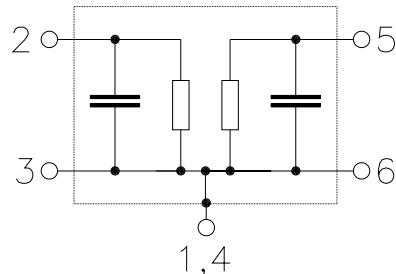
- Gold-plated Ni

**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

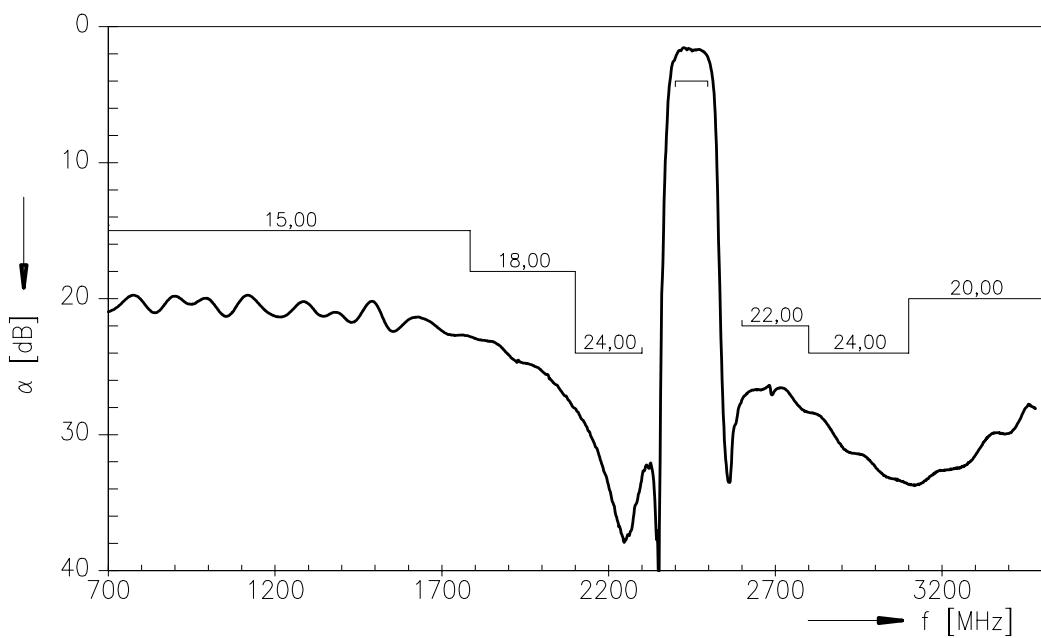
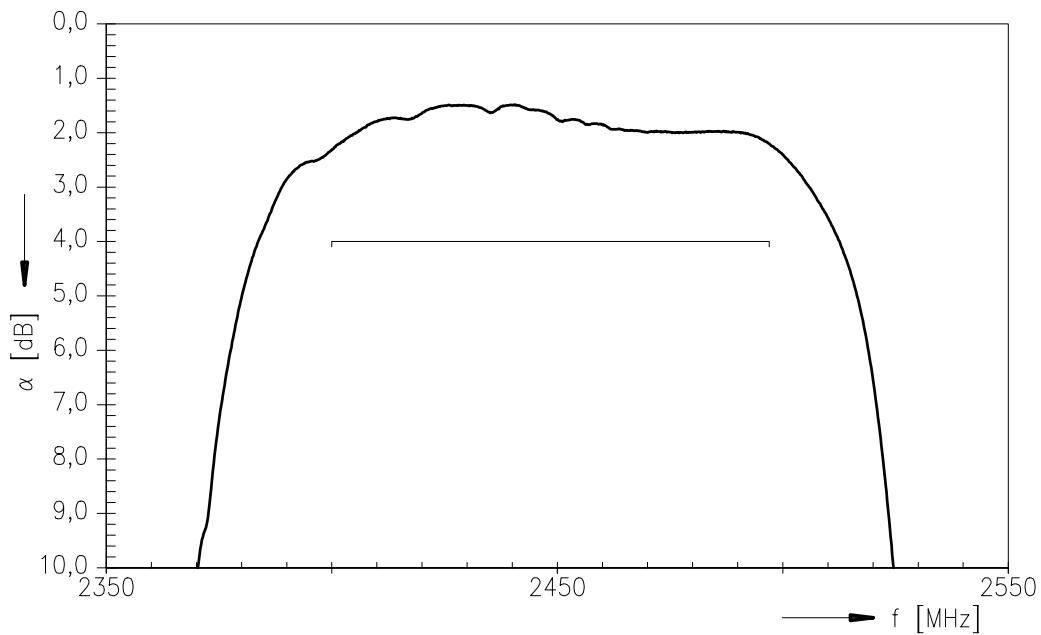
**Electrostatic Sensitive Device (ESD)**
**Maximum ratings**

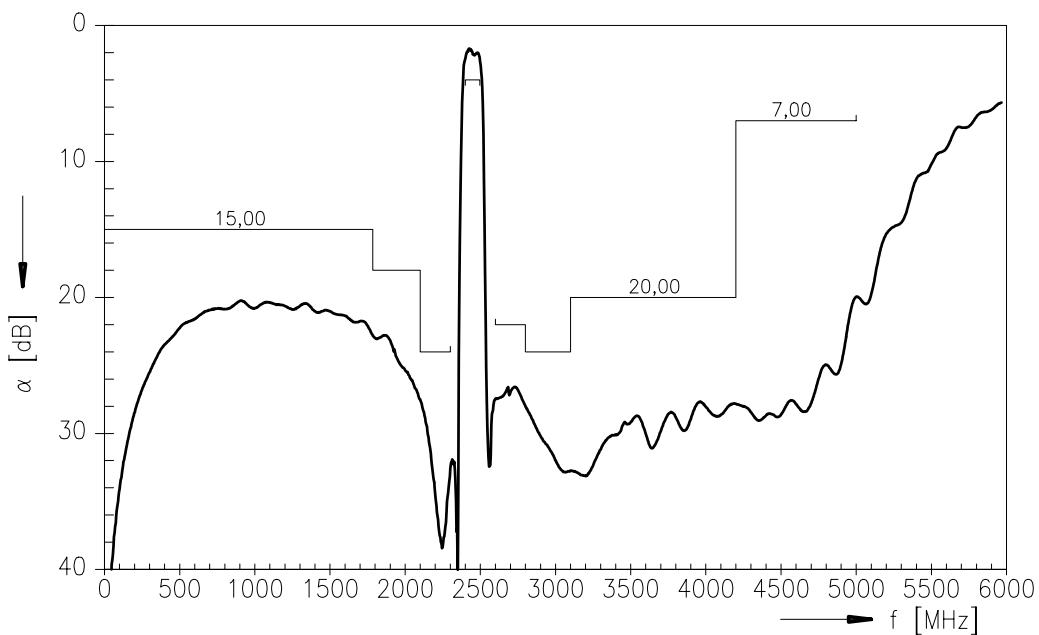
Operating temperature range	$T$	-40/+85	$^{\circ}\text{C}$	
Storage temperature range	$T_{\text{stg}}$	-40/+85	$^{\circ}\text{C}$	
DC voltage	$V_{\text{DC}}$	0	V	
Input Power max.	$P_{\text{IN}}$	7,5	dBm	source impedance 50 $\Omega$

**SAW Components****B4041****Low-Loss Filter for Mobile Communication****2450,0 MHz****Data Sheet****Characteristics**Operating Temperature Range:  $T = -40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$ Terminating source impedance:  $Z_S = 50\Omega$ Terminating load impedance:  $Z_L = 50\Omega$ 

		<b>min.</b>	<b>typ.</b>	<b>max.</b>	
<b>Center frequency</b>	$f_C$	—	2448,5	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$				
	2400,0 ... 2497,0 MHz	—	2,9	4,0	dB
		—	2,6*	3,0*	dB
<b>Amplitude ripple</b>	$\Delta\alpha$				
	2400,0 ... 2497,0 MHz	—	1,4	2,7	dB
<b>Attenuation</b>	$\alpha$				
	0,00 ... 1785,00 MHz	15	19	—	dB
	1785,00 ... 2100,00 MHz	18	22	—	dB
	2100,00 ... 2300,00 MHz	24	28	—	dB
	2600,00 ... 2800,00 MHz	22	26	—	dB
	2800,00 ... 3100,00 MHz	24	28	—	dB
	3100,00 ... 4200,00 MHz	20	25	—	dB
	4200,00 ... 5000,00 MHz	7	10	—	dB

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

**Transfer function**

**Transfer function (passband)**


**Transfer function (wideband)**


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