



# SAW Components

Data Sheet B3669

Data Sheet

EPCOS



## Low-Loss Filter

2140 MHz

## Data Sheet

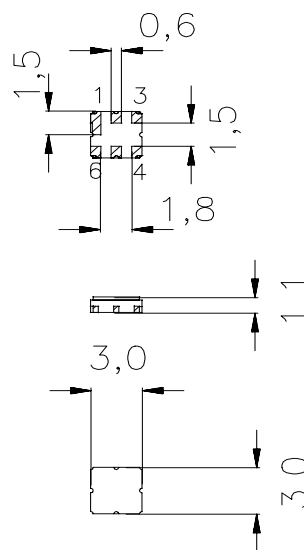
## Features

- Low-loss RF filter for UMTS system
- Usable passband 60 MHz
- No matching network required for operation at 50  $\Omega$
- Ceramic Package for **Surface Mounted Technology (SMT)**
- RoHS Compliant

## Terminals

- Ni, gold-plated

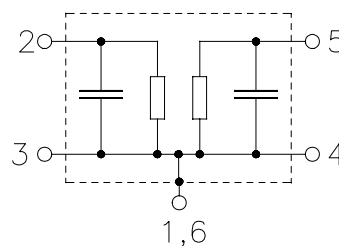
SMD ceramic package **DCC6C**



Dimensions in mm, approx. weight 0,037 g

## Pin configuration

2	Input
1, 3	Input ground
5	Output
4, 6	Output ground



Type	Ordering code	Marking and Package according to	Packing according to
B3669	B39212-B3669-U410	C61157-A7-A67	F61074-V8168-Z000

### Electrostatic Sensitive Device (ESD)

### Maximum ratings

Operable temperature range	$T$	- 40/+ 85	°C	Machine Model, 10 pulses <sup>1)</sup>
Storage temperature range	$T_{\text{stg}}$	- 40/+ 85	°C	
DC voltage	$V_{\text{DC}}$	0	V	
ESD voltage	$V_{\text{ESD}}$	50	V	
Source power	$P_{\text{s}}$	10	dBm	

1) acc. to JESD22-A115A (Machine Model), 10 negative & 10 positive pulses



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#### Characteristics

Operating temperature range:  $T_A = -30 \dots +85 \text{ }^\circ\text{C}$   
Terminating source impedance:  $Z_S = 50 \text{ } \Omega$   
Terminating load impedance:  $Z_L = 50 \text{ } \Omega$

		min.	typ.	max.	
<b>Nominal frequency</b>	$f_N$	—	2140,0	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$				
2110,0 ... 2170,0 MHz		—	3,0	3,5	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$				
2110,0 ... 2170,0 MHz		—	1,0	1,5	dB
<b>Return loss</b>					
2110,0 ... 2170,0 MHz		9,0	11,0	—	dB
<b>Attenuation</b>	$\alpha$				
50,0 ... 1400,0 MHz		22,0	27,0	—	dB
1400,0 ... 1910,0 MHz		25,0	28,0	—	dB
1910,0 ... 1980,0 MHz		30,0	38,0	—	dB
2300,0 ... 3700,0 MHz		25,0	30,0	—	dB
3700,0 ... 5300,0 MHz		20,0	25,0	—	dB
5300,0 ... 5700,0 MHz		15,0	18,0	—	dB
<b>Temperature coefficient of frequency</b>	$TC_f$	—	-35	—	ppm/K



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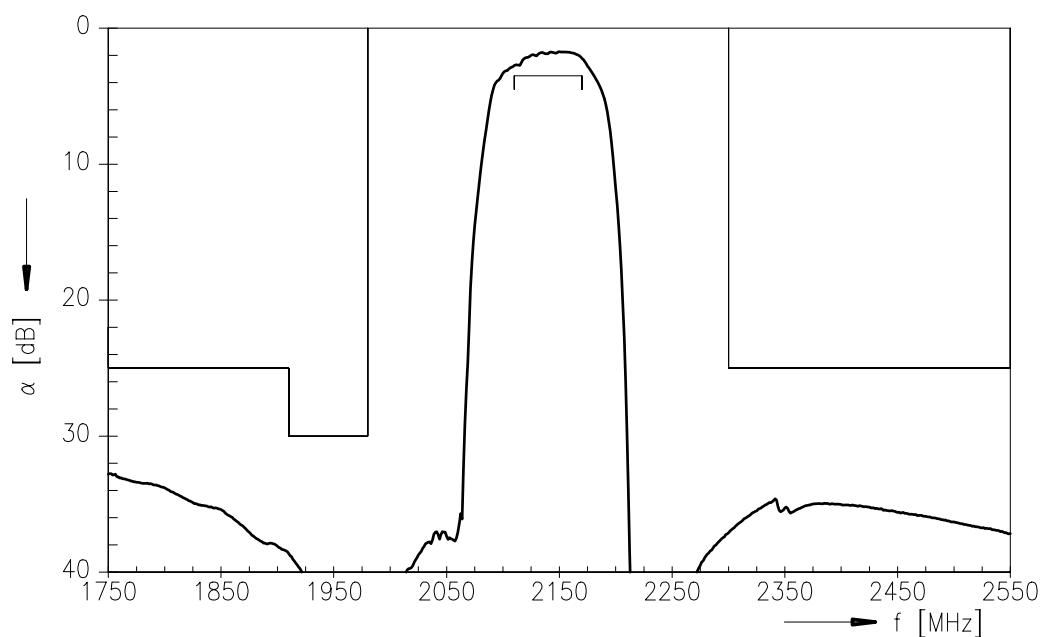
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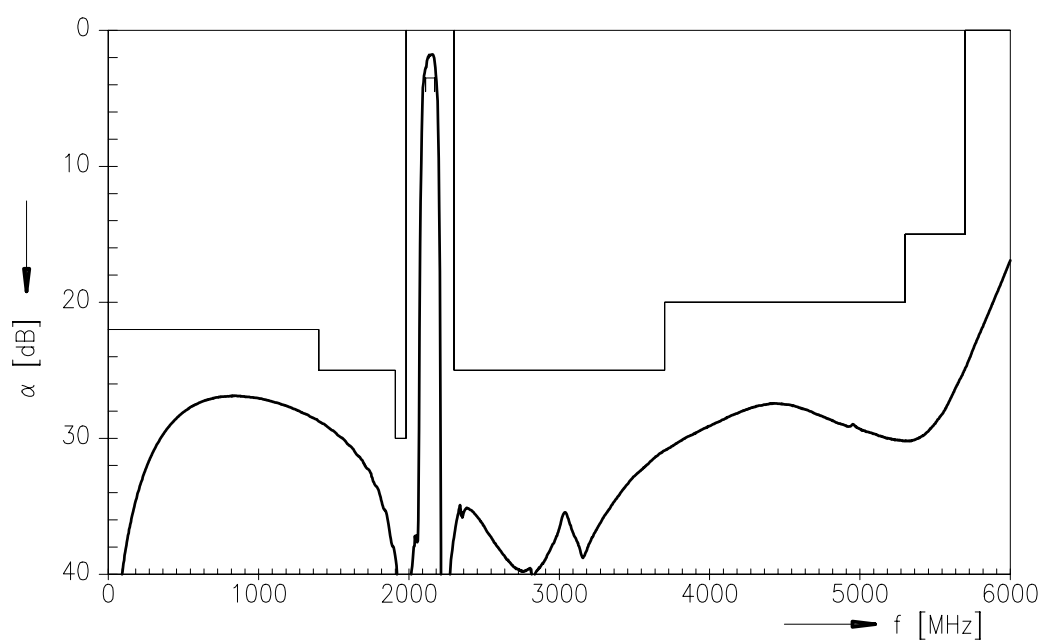
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Transfer function (narrow band)



Transfer function (wide band)





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