



# SAW Components

Data Sheet B3521





**SAW Components**

**B3521**

**Low Loss Filter**

**1575,42 MHz**

**Data Sheet**

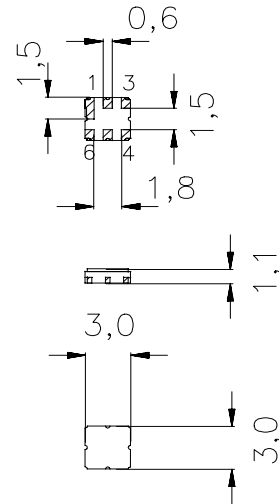
**Features**

- RF low-loss filter for remote control application
- Package for **Surface Mounted Technology (SMT)**
- Hermetically sealed ceramic package
- No matching network required for operation at 50 Ω
- Compliant to EU RoHs Directive (2002/95/EC)
- Lead free soldering compatible with J - STD20C

**Terminals**

- Ni, gold-plated

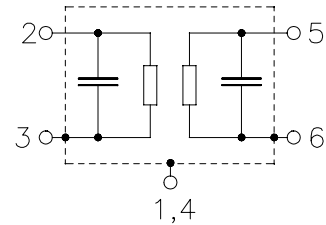
Ceramic package **DCC6C**



Dimensions in mm, approx. weight 0,037 g

**Pin configuration**

- |            |        |
|------------|--------|
| 2          | Input  |
| 5          | Output |
| 1, 3, 4, 6 | Ground |



Type	Ordering code	Marking and Package according to	Packing according to
B3521	B39162-B3521-U410	C61157-A7-A67	F61074-V8168-Z000

Electrostatic Sensitive Device (ESD)

**Maximum ratings**

Operable temperature range	$T$	-40/+85	°C	
Storage temperature range	$T_{stg}$	-45/+90	°C	
DC voltage	$V_{DC}$	0	V	
Source power	$P_S$	10	dBm	source impedance 50 Ω



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**Characteristics**

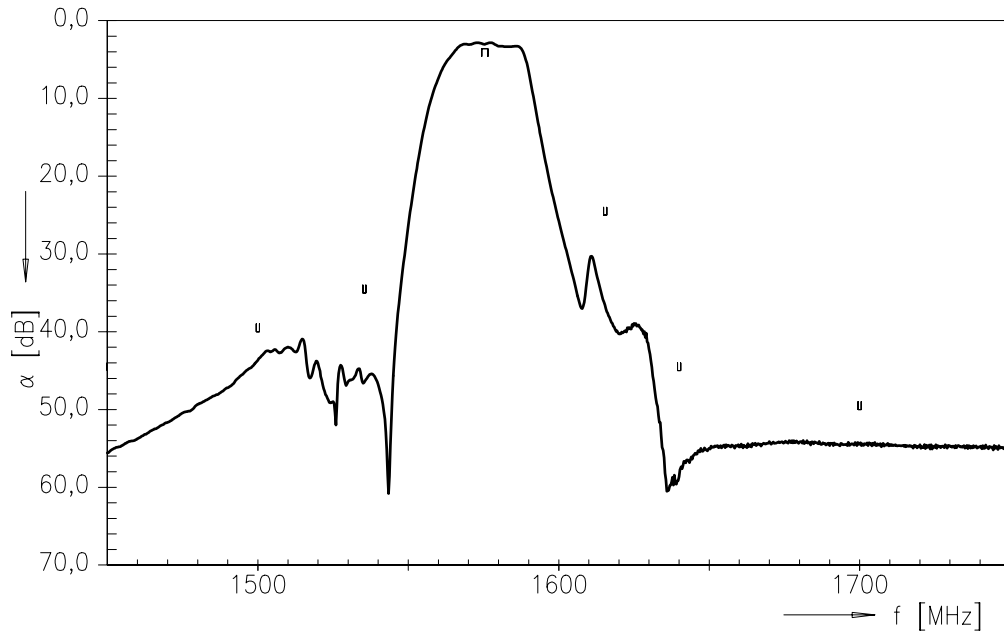
Operating temperature range:  $T = -40 \dots +85^\circ \text{C}$   
 Terminating source impedance:  $Z_S = 50 \Omega$   
 Terminating load impedance:  $Z_L = 50 \Omega$

		<b>min.</b>	<b>typ.</b>	<b>max.</b>	
<b>Center frequency</b>	$f_c$	—	1575,42	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$				
	1574,42 ... 1576,42 MHz	—	3,2	3,5	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$				
	1574,42 ... 1576,42 MHz	—	0,5	1,0	dB
<b>Input VSWR</b>					
	1574,42 ... 1576,42 MHz	—	1,9	2,3	
<b>Output VSWR</b>					
	1574,42 ... 1576,42 MHz	—	1,9	2,3	
<b>Attenuation</b>	$\alpha$				
	850,00 MHz	45	65	—	dB
	1500,00 MHz	40	43	—	dB
	1535,42 MHz	35	42	—	dB
	1615,42 MHz	25	33	—	dB
	1640,00 MHz	45	48	—	dB
	1700,00 MHz	50	52	—	dB

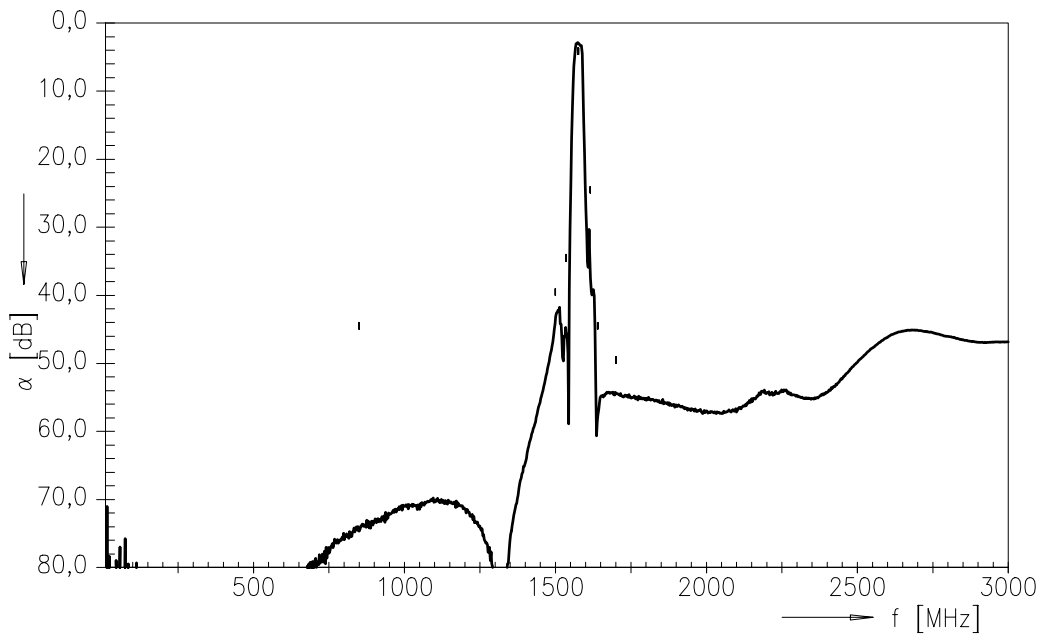


Data Sheet

Transfer function



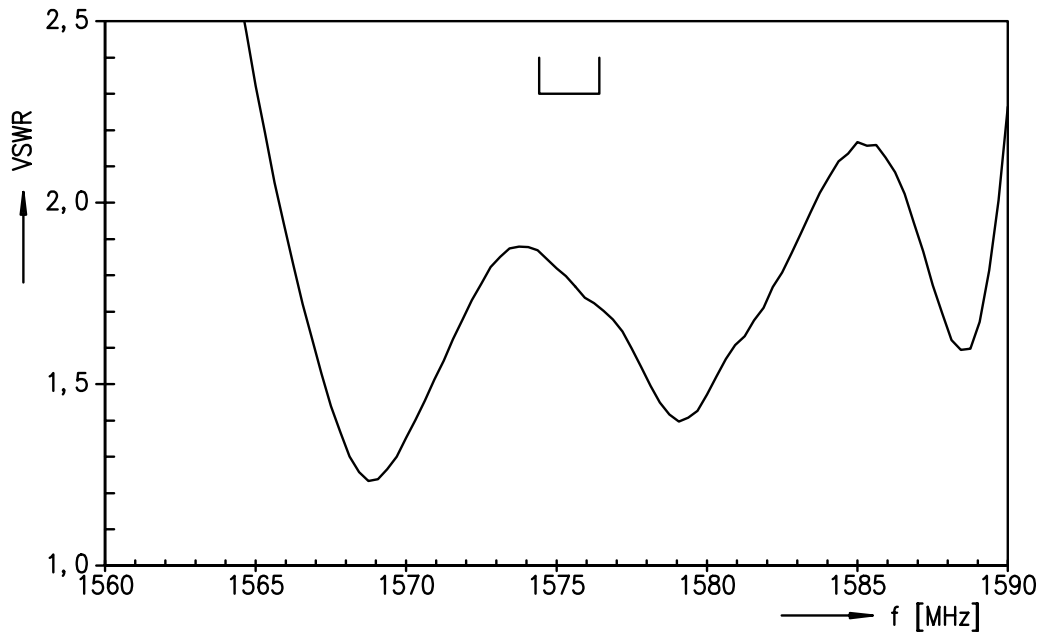
Transfer function (wideband)





Data Sheet

Input VSWR



Output VSWR





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**P.O. Box 80 17 09, D-81617 München**

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