



SAW Components

Data Sheet B3521





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B3521

Low Loss Filter

1575,42 MHz

Data Sheet

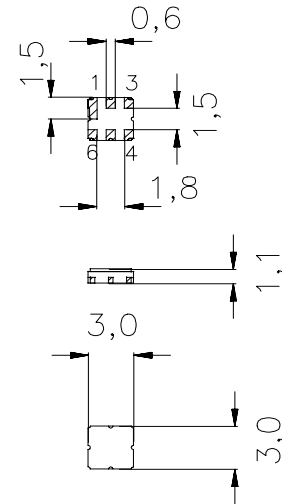
Features

- 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

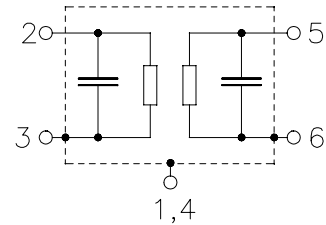
Ceramic package **DCC6C**



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 **S**ensitive **D**evice (**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: $Z_S = 50 \Omega$

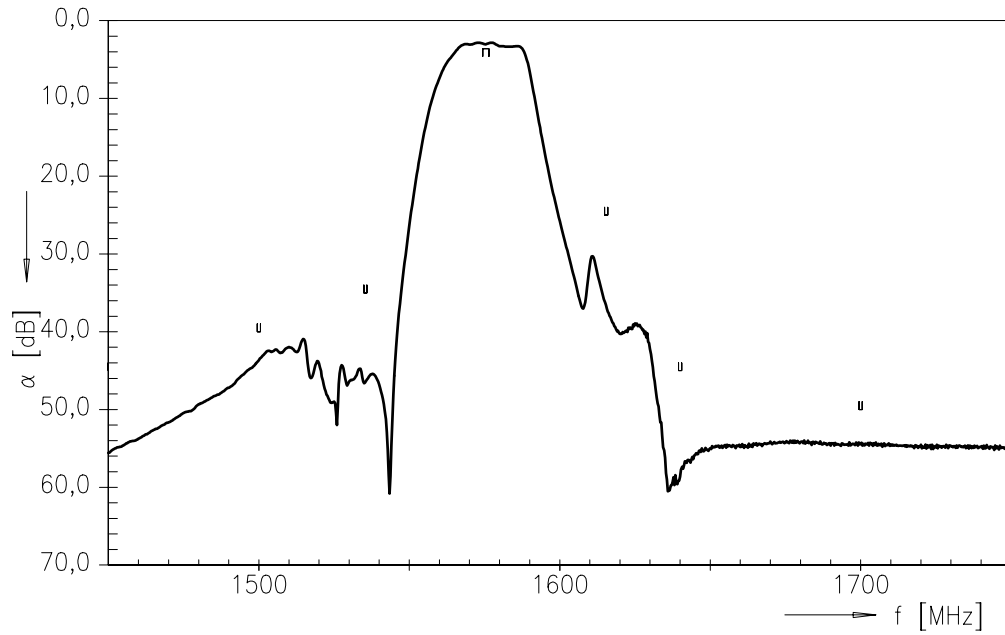
Terminating load impedance: $Z_L = 50 \Omega$

		min.	typ.	max.	
Center frequency	f_c	—	1575,42	—	MHz
Maximum insertion attenuation	α_{\max}				
	1574,42 ... 1576,42 MHz	—	3,2	3,5	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
	1574,42 ... 1576,42 MHz	—	0,5	1,0	dB
Input VSWR					
	1574,42 ... 1576,42 MHz	—	1,9	2,3	
Output VSWR					
	1574,42 ... 1576,42 MHz	—	1,9	2,3	
Attenuation	α				
	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

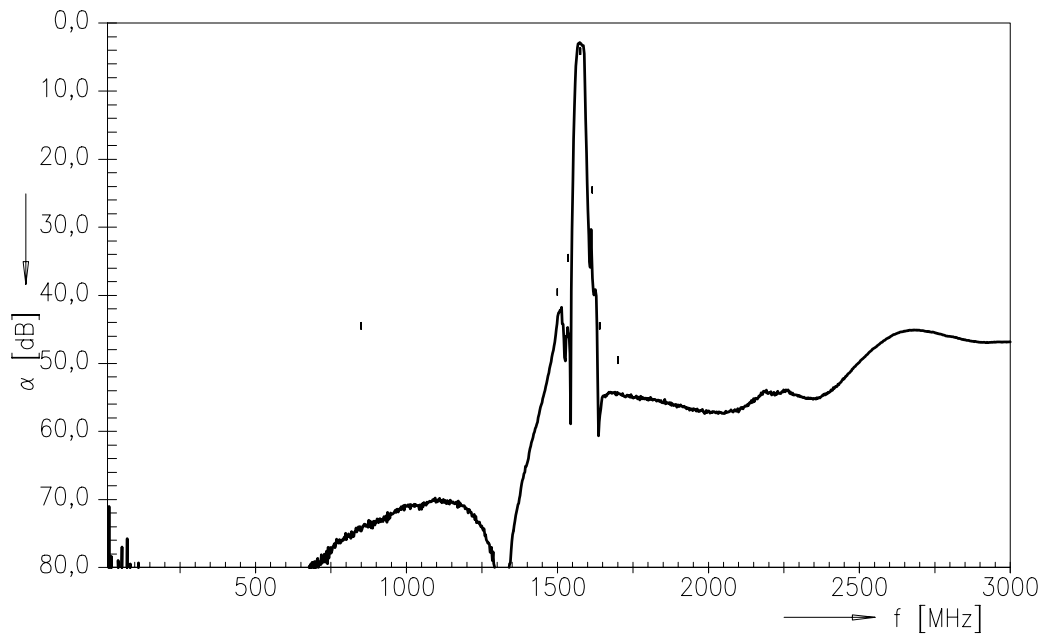


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Transfer function



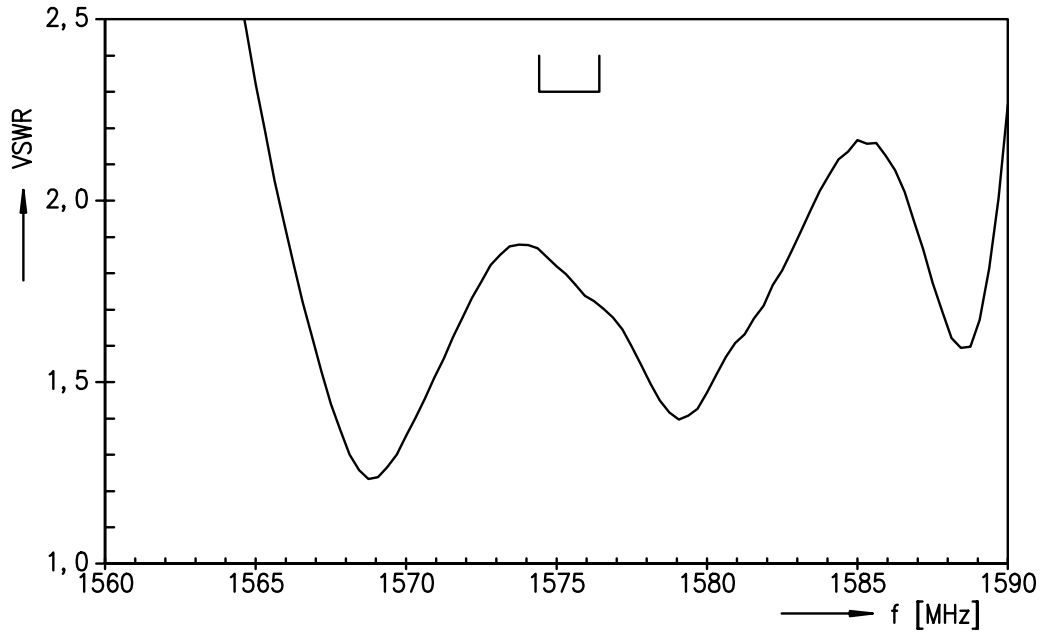
Transfer function (wideband)





Data Sheet

Input VSWR



Output VSWR





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This brochure replaces the previous edition.

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