



# SAW Components

Data Sheet B3711





**SAW Components**

**B3711**

**Low Loss Filter**

**315,00 MHz**

**Data Sheet**

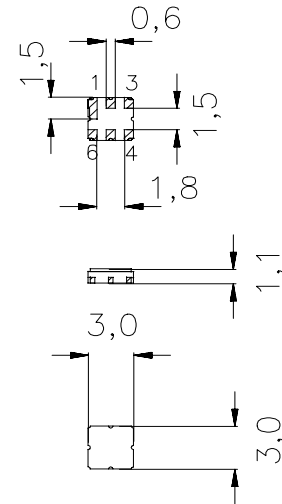
**Features**

- 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
- Passivation layer: Elpas

**Terminals**

- Ni, gold-plated

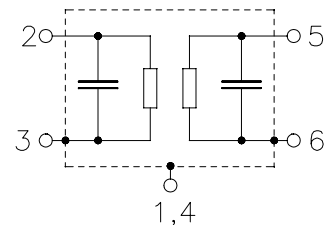
Ceramic package **DCC6C**



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
B3711	B39321-B3711-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:  $Z_S = 50 \Omega$

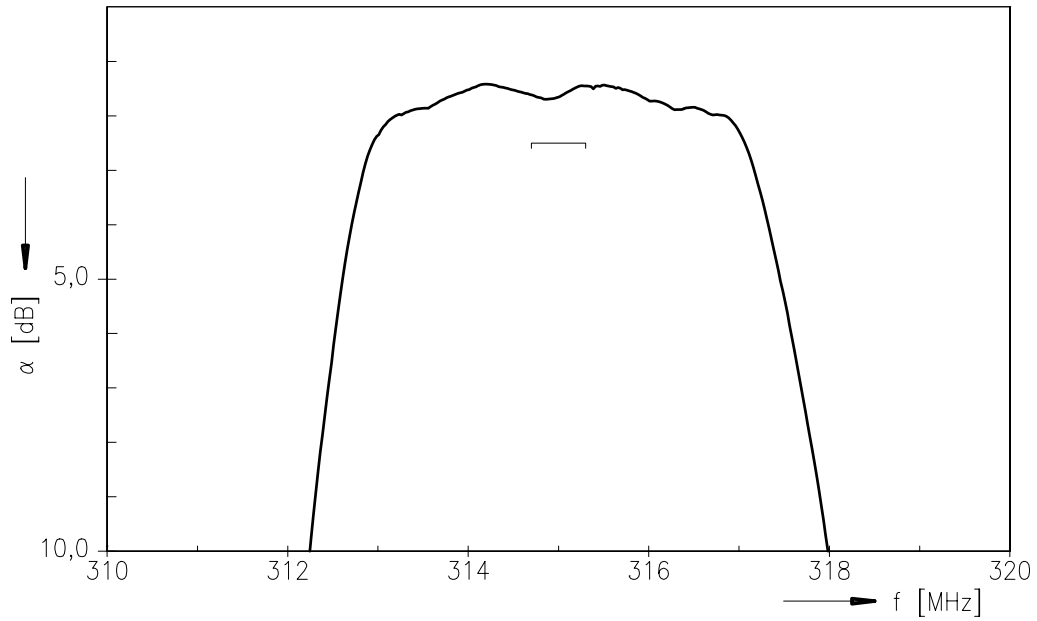
Terminating load impedance:  $Z_L = 50 \Omega$

		<b>min.</b>	<b>typ.</b>	<b>max.</b>	
<b>Center frequency</b>	$f_c$	—	315,00	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$				
	314,70 ... 315,30 MHz	—	1,7	2,5	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$				
	314,70 ... 315,30 MHz	—	0,4	1,2	dB
<b>Input VSWR</b>					
	314,70 ... 315,30 MHz	—	1,2	1,6	
<b>Output VSWR</b>					
	314,70 ... 315,30 MHz	—	1,2	1,6	
<b>Relative attenuation (relative to <math>\alpha_{\max}</math>)</b>	$\alpha_{\text{rel}}$				
	270,00 ... 286,00 MHz	55	60	—	dB
	293,00 ... 293,90 MHz	53	58	—	dB
	304,00 ... 304,60 MHz	48	53	—	dB
	325,40 ... 326,00 MHz	24	31	—	dB
	336,10 ... 337,00 MHz	36	41	—	dB
	357,50 ... 358,70 MHz	50	55	—	dB
<b>Temperature coefficient of frequency</b>	$TC_f$	—	-30	—	ppm/K

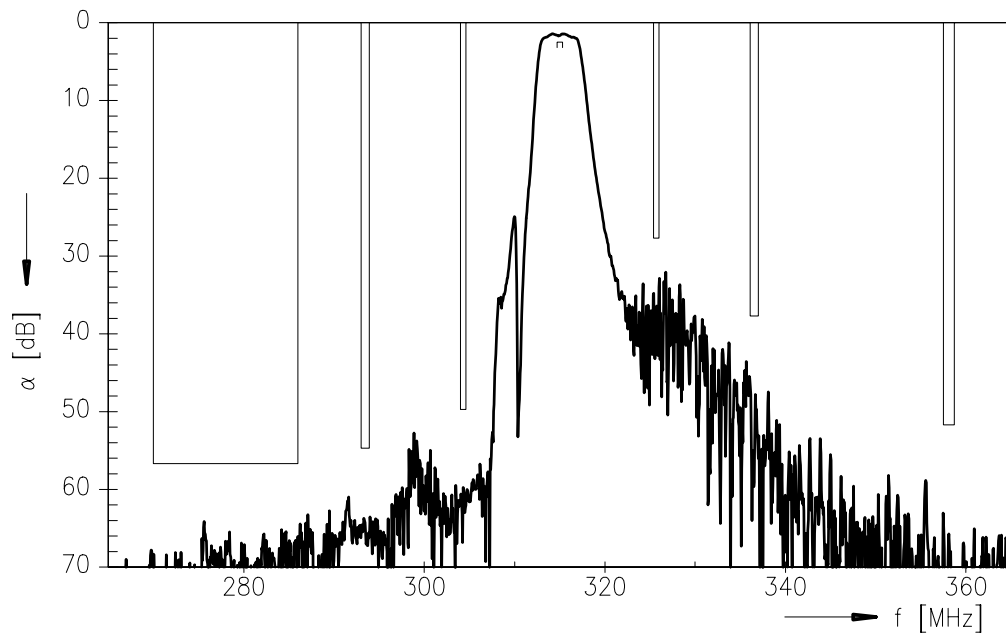


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Transfer function



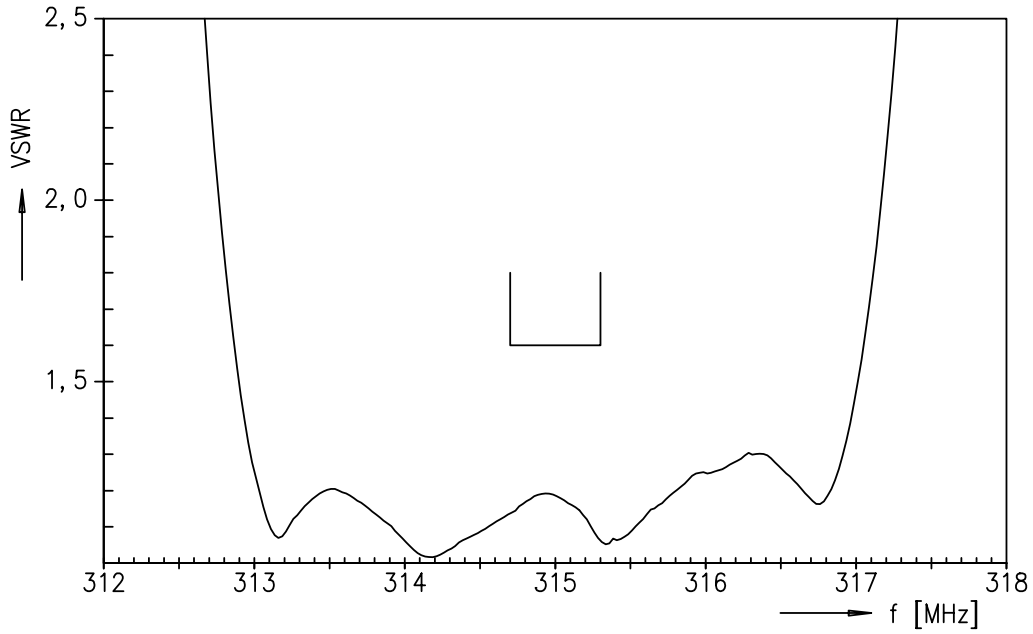
Transfer function (wideband)



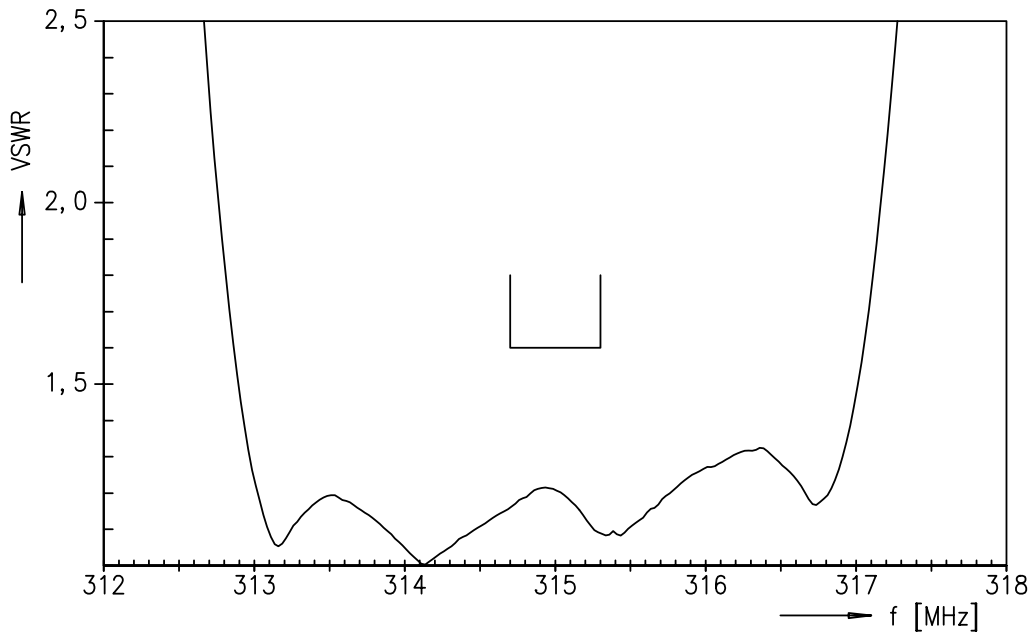


Data Sheet

Input VSWR



Output VSWR





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