



# SAW Components

Preliminary Data B3713





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Low Loss Filter

313,85 MHz

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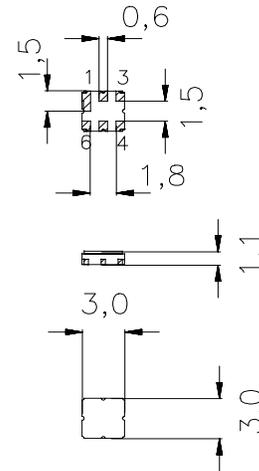
Features

- RF low-loss filter for remote control application
- Package for **S**urface **M**ounted **T**echnology (**SMT**)
- Hermetically sealed ceramic package
- No matching network required for operation at 50 Ω
- Passivation layer: Elpas
- AEC-Q200 qualified components family

Terminals

- Ni, gold-plated

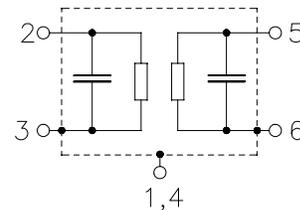
Ceramic package DCC6C



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
B3713	B39311-B3713-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:  $Z_L = 50 \Omega$ 

		min.	typ.	max.	
<b>Center frequency</b>	$f_c$	—	313,85	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$	—	1,7	2,5	dB
313,55 ... 314,15 MHz					
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$	—	0,4	1,2	dB
313,55 ... 314,15 MHz					
<b>Relative attenuation (relative to <math>\alpha_{\max}</math>)</b>	$\alpha_{\text{rel}}$				dB
270,00 ... 286,00 MHz		55	60	—	
291,85 ... 292,75 MHz		53	58	—	
302,85 ... 303,45 MHz		48	53	—	
324,25 ... 324,85 MHz		24	31	—	
334,95 ... 335,85 MHz		36	41	—	
356,35 ... 357,55 MHz		50	55	—	
<b>Temperature coefficient of frequency</b>	$TC_f$	—	-30	—	ppm/K



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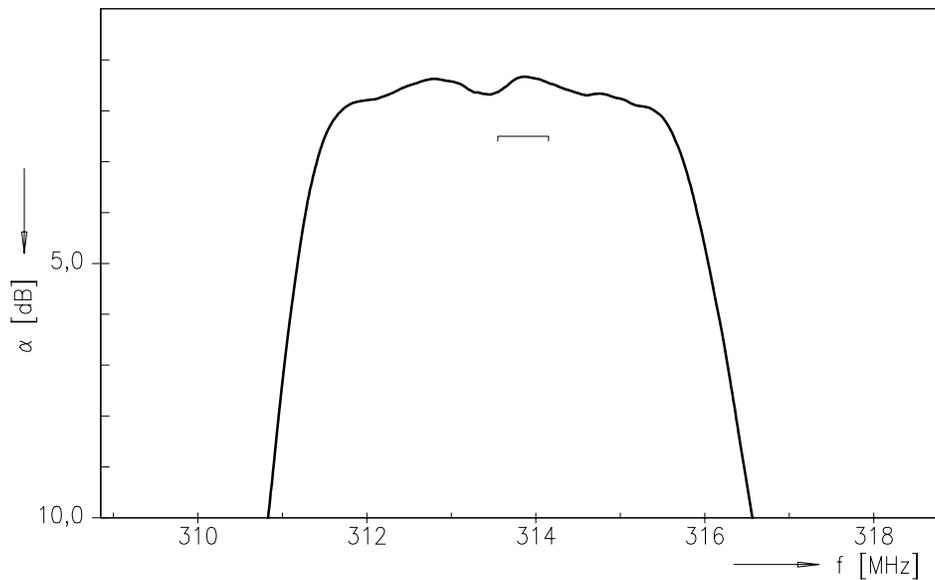
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Low Loss Filter

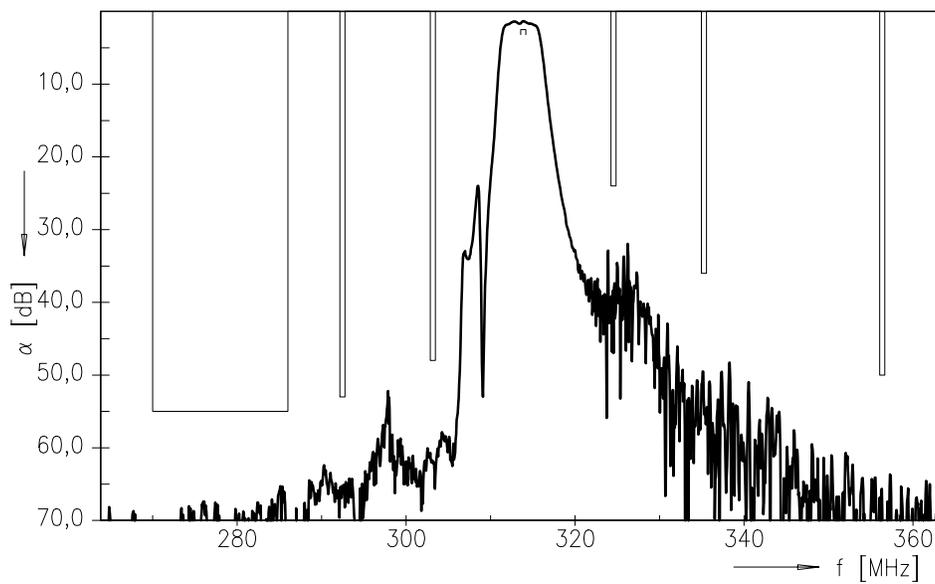
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Transfer function



Transfer function (wideband)





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

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This brochure replaces the previous edition.

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