



# SAW Components

Data Sheet B3581





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Low Loss Filter

315,00 MHz

Data Sheet

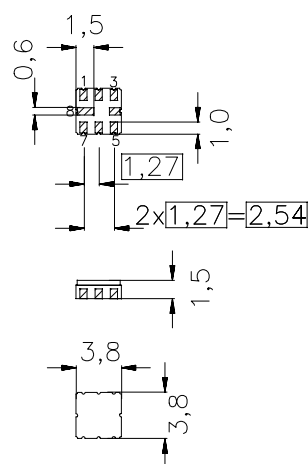
**Features**

- RF low-loss filter for remote control receivers
- Package for **S**urface **M**ounted **T**echnology (**SMT**)
- Hermetically sealed ceramic package
- No matching network required for operation at 50 Ω

**Terminals**

- Ni, gold plated

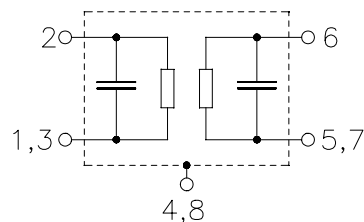
Ceramic package **QCC8B**



Dimensions in mm, approx. weight 0,07 g

**Pin configuration**

- 2 Input
- 1,3 Input Ground
- 6 Output
- 5,7 Output Ground
- 4,8 to be grounded



Type	Ordering code	Marking and Package according to	Packing according to
B3581	B39321-B3581-Z810	C61157-A7-A46	F61074-V8037-Z000

Electrostatic Sensitive Device (ESD)

**Maximum ratings**

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



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Characteristics

Operating temperature range:  $T = -40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$

Terminating source impedance:  $Z_S = 50\ \Omega$

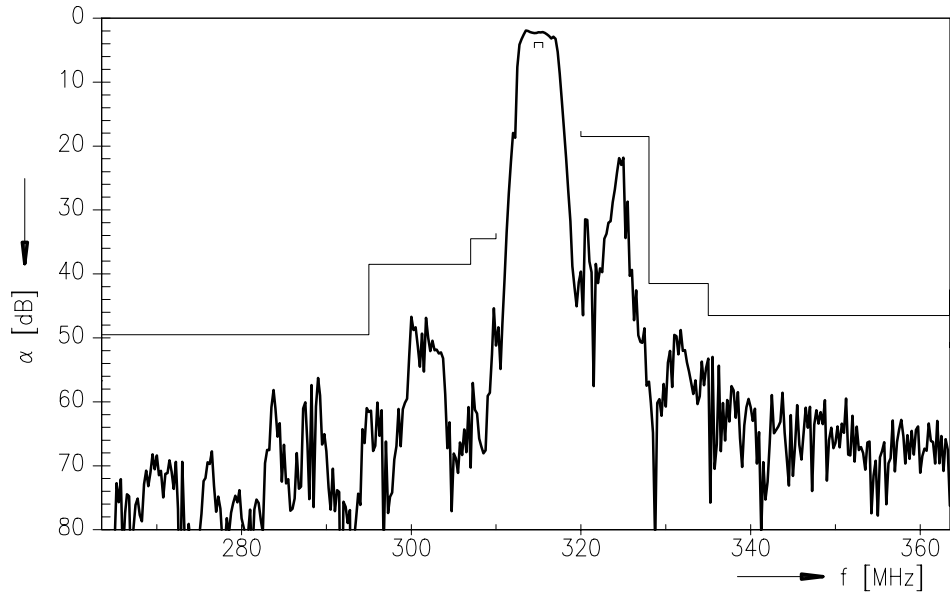
Terminating load impedance:  $Z_L = 50\ \Omega$

		min.	typ.	max.	
<b>Center frequency</b>	$f_c$	—	315,00	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$				
314,50 ... 315,50 MHz		—	2,7	3,7	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$				
314,80 ... 315,20 MHz		—	0,4	1,0	dB
314,50 ... 315,50 MHz		—	0,8	2,0	dB
<b>Relative attenuation (relative to <math>\alpha_{\max}</math>)</b>	$\alpha_{\text{rel}}$				
10,00 ... 250,00 MHz		55	60	—	dB
250,00 ... 295,00 MHz		47	53	—	dB
295,00 ... 307,00 MHz		36	41	—	dB
307,00 ... 310,00 MHz		32	40	—	dB
320,00 ... 328,00 MHz		16	20	—	dB
328,00 ... 335,00 MHz		39	44	—	dB
335,00 ... 410,00 MHz		44	49	—	dB
410,00 ... 480,00 MHz		40	45	—	dB
480,00 ... 1000,00 MHz		49	54	—	dB
<b>Temperature coefficient of frequency</b>	$TC_f$	—	-30	—	ppm/K

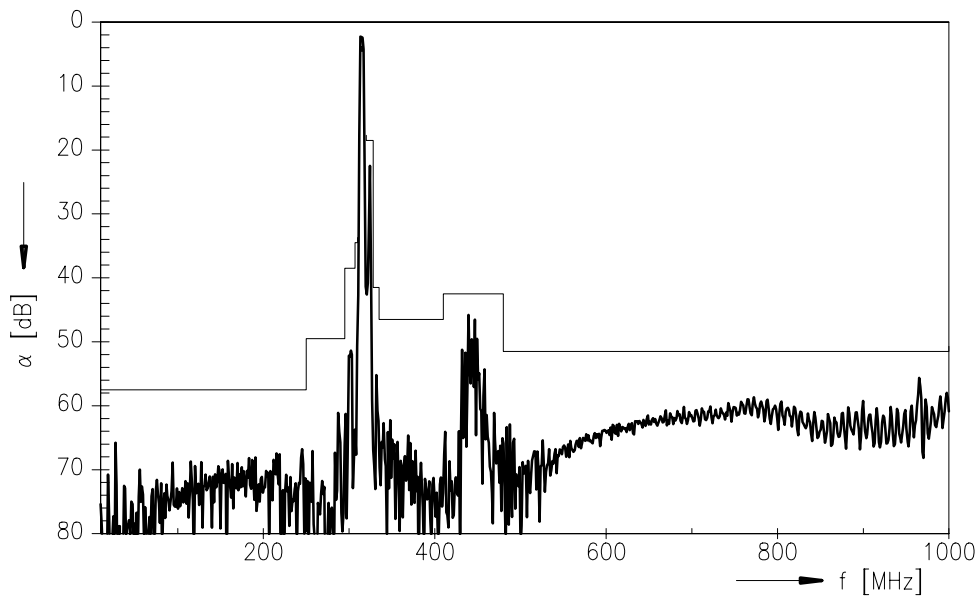


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Transfer function



Transfer function (wideband)





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