



SAW Components

Data Sheet B3581





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B3581

Low Loss Filter

315,00 MHz

Data Sheet

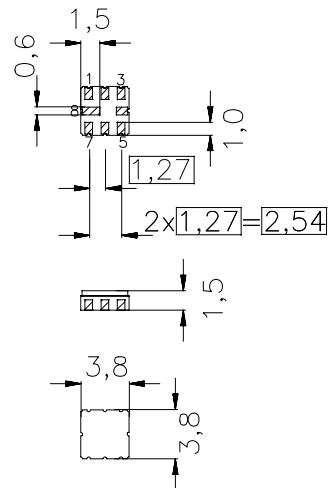
Features

- RF low-loss filter for remote control receivers
- Package for **Surface Mounted Technology (SMT)**
- Hermetically sealed ceramic package
- No matching network required for operation at 50 Ω

Terminals

- Ni, gold plated

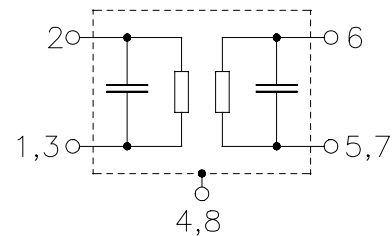
Ceramic package **QCC8B**



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°C

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

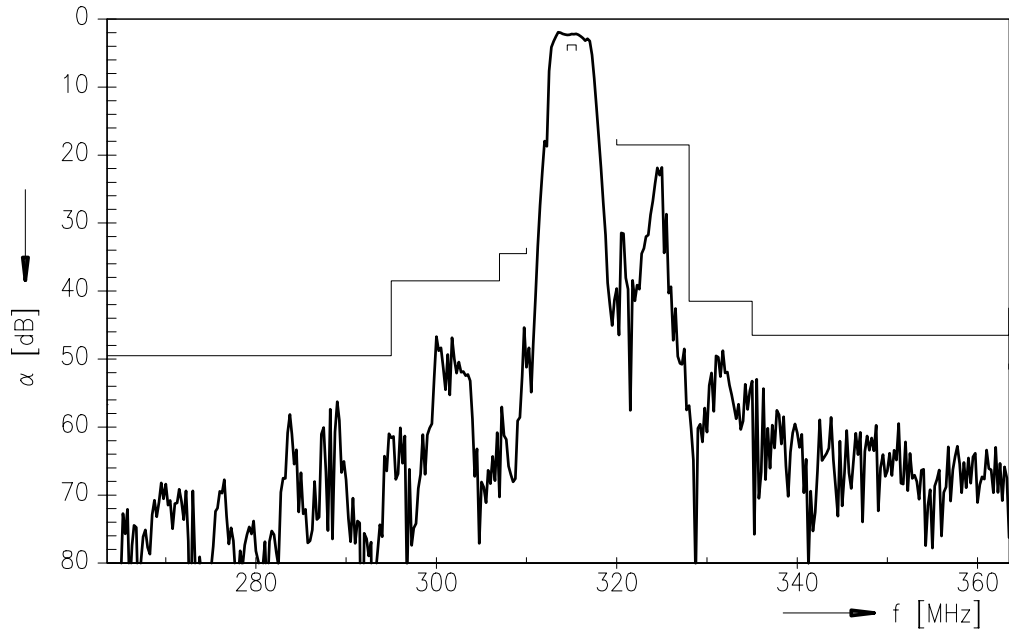
Terminating load impedance: $Z_L = 50\ \Omega$

		min.	typ.	max.	
Center frequency	f_c	—	315,00	—	MHz
Maximum insertion attenuation	α_{\max}				
	314,50 ... 315,50 MHz	—	2,7	3,7	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
	314,80 ... 315,20 MHz	—	0,4	1,0	dB
	314,50 ... 315,50 MHz	—	0,8	2,0	dB
Relative attenuation (relative to α_{\max})	α_{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
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K

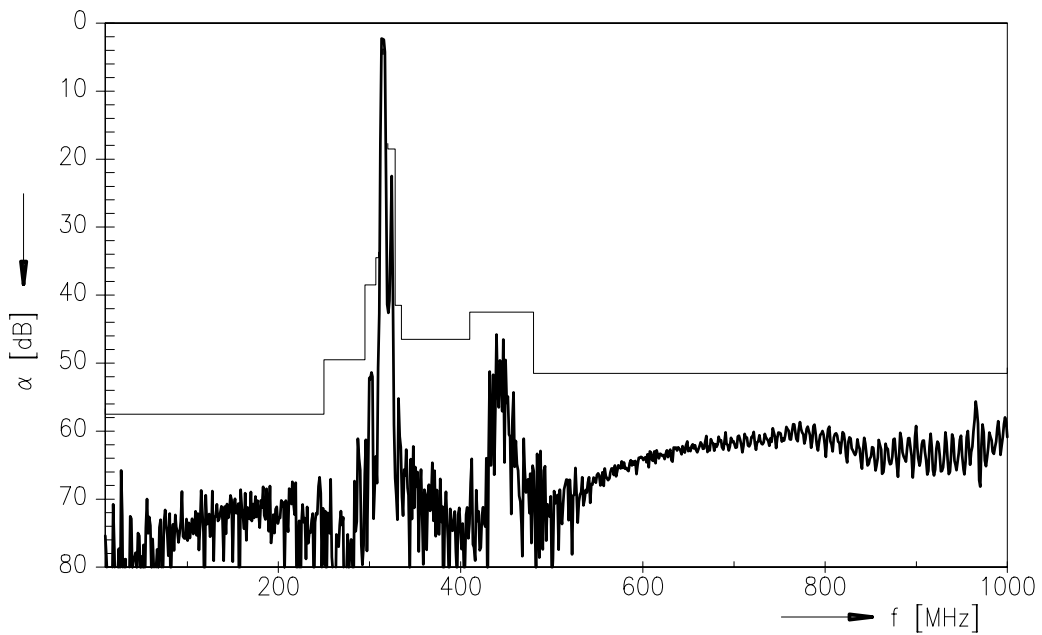


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Transfer function



Transfer function (wideband)





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