

# SAW Components

Data Sheet B3581





SAW Components B3581
Low Loss Filter 315,00 MHz

**Data Sheet** 

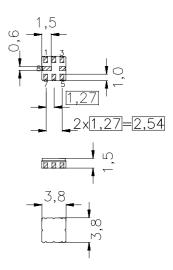
#### **Features**

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

#### **Terminals**

■ Ni, gold plated

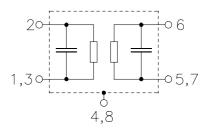
#### Ceramic package QCC8B



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



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

Electrostatic Sensitive Device (ESD)

#### **Maximum ratings**

Operable temperature range	Τ	-40/+85	ů	
Storage temperature range	$T_{\rm stg}$	-45/+90	°C	
DC voltage	$V_{\rm DC}$	0	V	
Source power	$P_{S}$	10	dBm	source impedance 50 $\Omega$



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## Characteristics

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

Terminating source impedance:  $Z_{\rm S}=50~\Omega$  Terminating load impedance:  $Z_{\rm L}=50~\Omega$ 

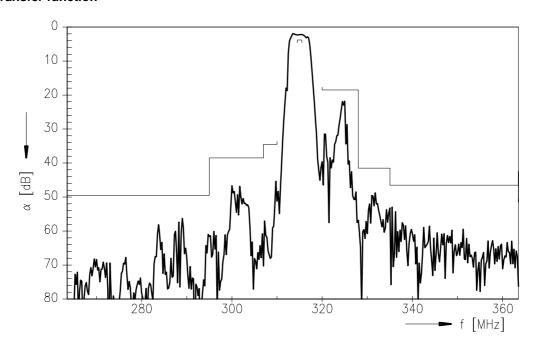
				min.	typ.	max.	
Center frequency			f <sub>C</sub>	_	315,00	_	MHz
Maximum insertion attenuation		$\alpha_{max}$					
	314,50 315,50	MHz		_	2,7	3,7	dB
Amplitude ripple (p-p)			Δα				
	314,80 315,20	MHz		_	0,4	1,0	dB
	314,50 315,50	MHz		_	0,8	2,0	dB
Relative attenuation (relative to $\alpha_{max}$ )			$\alpha_{rel}$				
	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
	480,001000,00	MHz		49	54	_	dB
Temperature coefficier	nt of frequency		TC <sub>f</sub>		-30	_	ppm/K



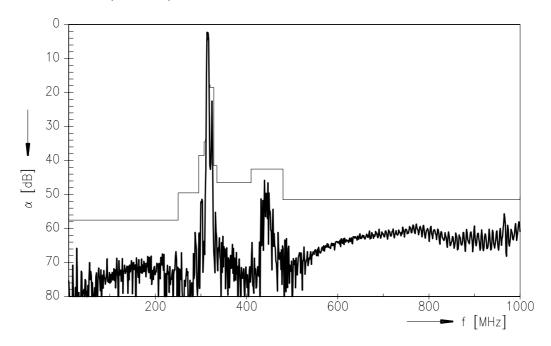
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# Transfer function



## Transfer function (wideband)





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