



# SAW Components

Data Sheet B3580





**SAW Components**

**B3580**

**Low Loss Filter**

**433,92 MHz**

**Data Sheet**

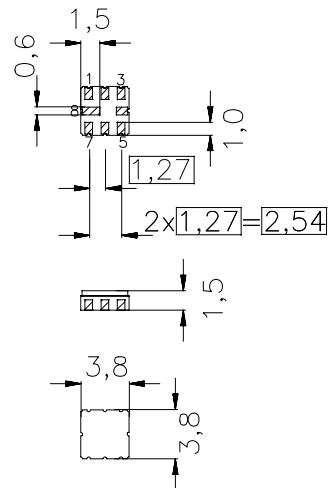
**Features**

- 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

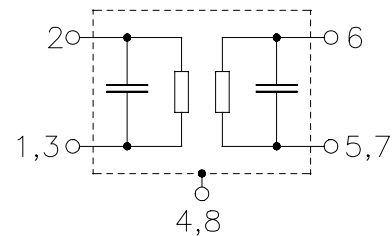
Ceramic package **QCC8B**



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
B3580	B39431-B3580-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:  $Z_S = 50 \Omega$

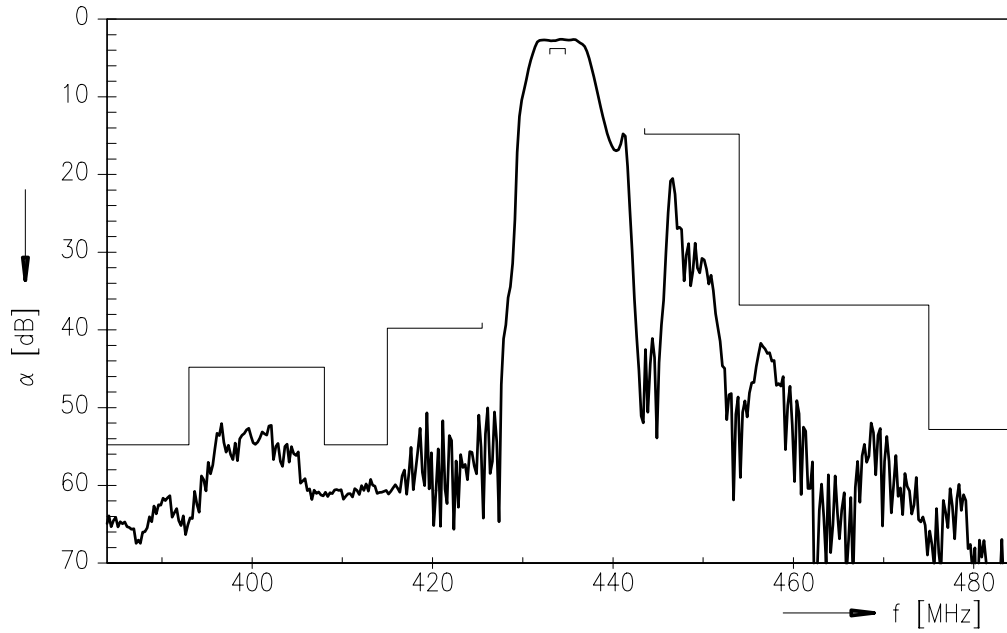
Terminating load impedance:  $Z_L = 50 \Omega$

		<b>min.</b>	<b>typ.</b>	<b>max.</b>	
<b>Center frequency</b>	$f_c$	—	433,92	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$				
433,00 ... 434,71 MHz		—	2,8	3,8	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$				
433,00 ... 434,71 MHz		—	0,3	1,0	dB
<b>Relative attenuation (relative to <math>\alpha_{\max}</math>)</b>	$\alpha_{\text{rel}}$				
10,00 ... 350,00 MHz		60	65	—	dB
350,00 ... 393,00 MHz		52	57	—	dB
393,00 ... 408,00 MHz		42	47	—	dB
408,00 ... 415,00 MHz		52	57	—	dB
415,00 ... 425,50 MHz		37	45	—	dB
443,50 ... 454,00 MHz		12	16	—	dB
454,00 ... 475,00 MHz		34	39	—	dB
475,00 ... 650,00 MHz		50	55	—	dB
650,00 ... 1000,00 MHz		45	49	—	dB
<b>Temperature coefficient of frequency</b>	$TC_f$	—	-30	—	ppm/K

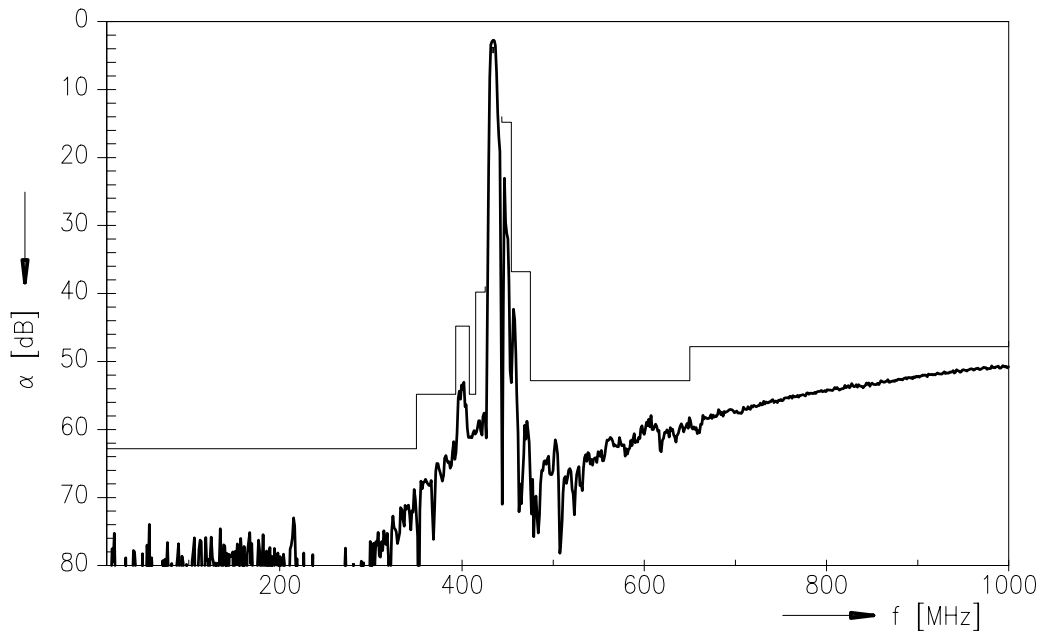


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Transfer function



Transfer function (wideband)





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**Published by EPCOS AG**

**Surface Acoustic Wave Components Division, SAW CE AE PD**

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