



SAW Components

Data Sheet B3580

Data Sheet

An abstract graphic featuring the word "EPCOS" in large, glowing, 3D letters. The letters are white with a blue glow and are positioned diagonally across the frame. In the background, there is a faint, stylized globe and some circuitry patterns, all in a dark, monochromatic color scheme.



SAW Components

B3580

Low Loss Filter

433,92 MHz

Data Sheet

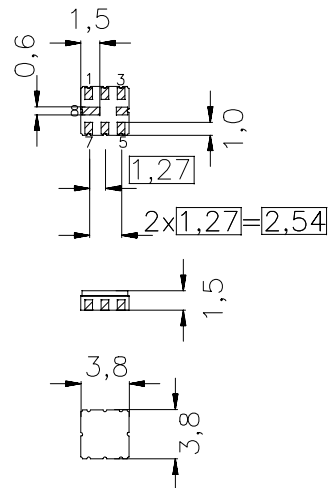
Features

- 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

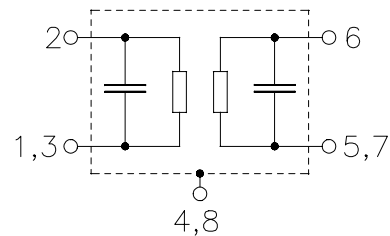
Ceramic package **QCC8B**



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	$^{\circ}\text{C}$	source impedance 50 Ω
Storage temperature range	T_{stg}	-45/+90	$^{\circ}\text{C}$	
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	—	433,92	—	MHz
Maximum insertion attenuation	$\alpha_{\max}$				
433,00 ... 434,71 MHz		—	2,8	3,8	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
433,00 ... 434,71 MHz		—	0,3	1,0	dB
Relative attenuation (relative to $\alpha_{\max}$)	α_{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
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K



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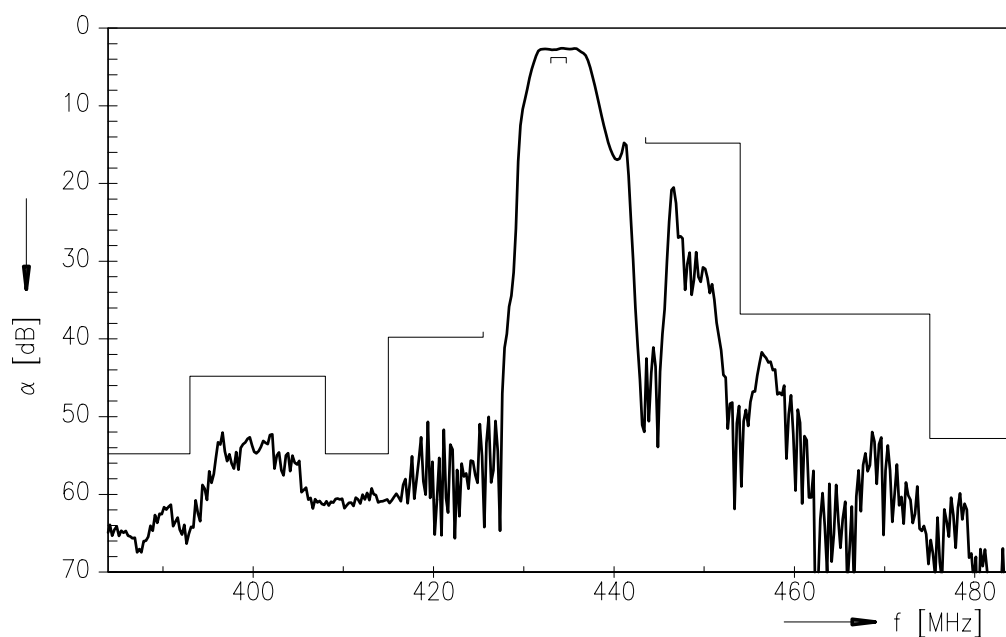
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Low Loss Filter

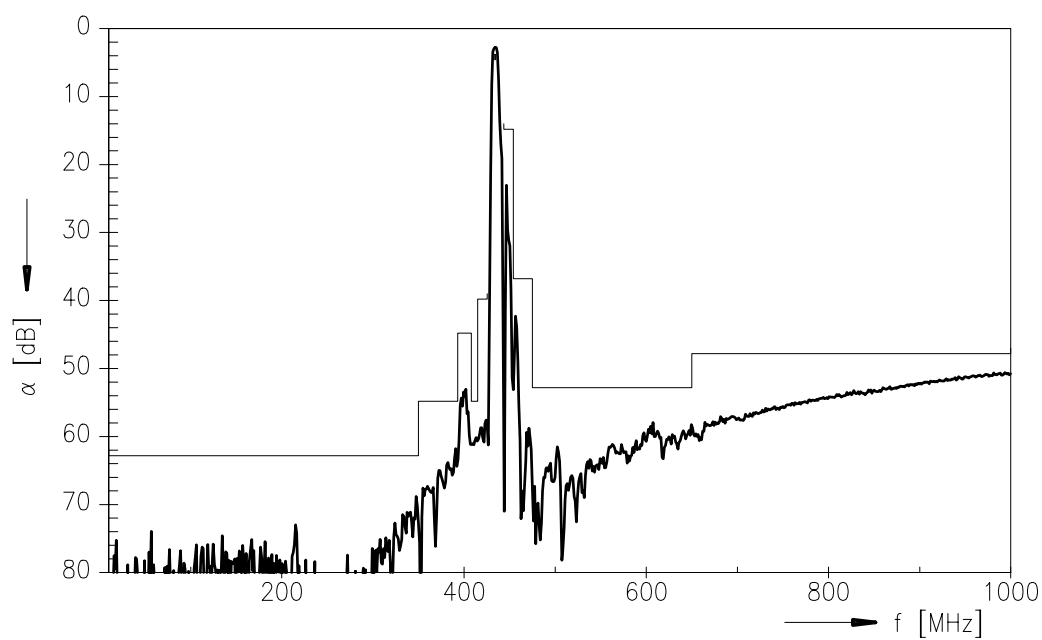
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Transfer function



Transfer function (wideband)





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Surface Acoustic Wave Components Division, SAW CE AE PD

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