



SAW Components

Data Sheet B3580

Data Sheet

A large, stylized, 3D-rendered graphic of the EPCOS logo. The letters "EPCOS" are rendered in a white, glowing, sans-serif font, appearing to be part of a larger, curved structure that resembles the company's logo symbol. The background is dark and textured, with a faint map of the world visible.



SAW Components

B3580

Low Loss Filter

433,92 MHz

Data Sheet

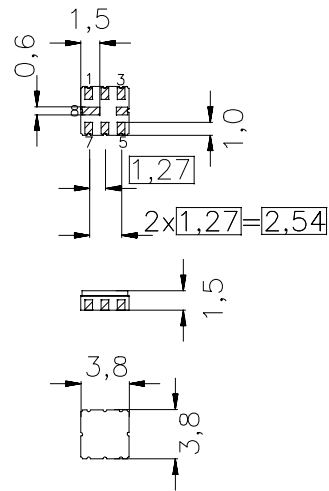
Features

- 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

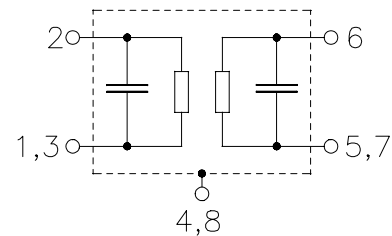
Ceramic package **QCC8B**



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°C

Terminating source impedance: $Z_S = 50 \Omega$

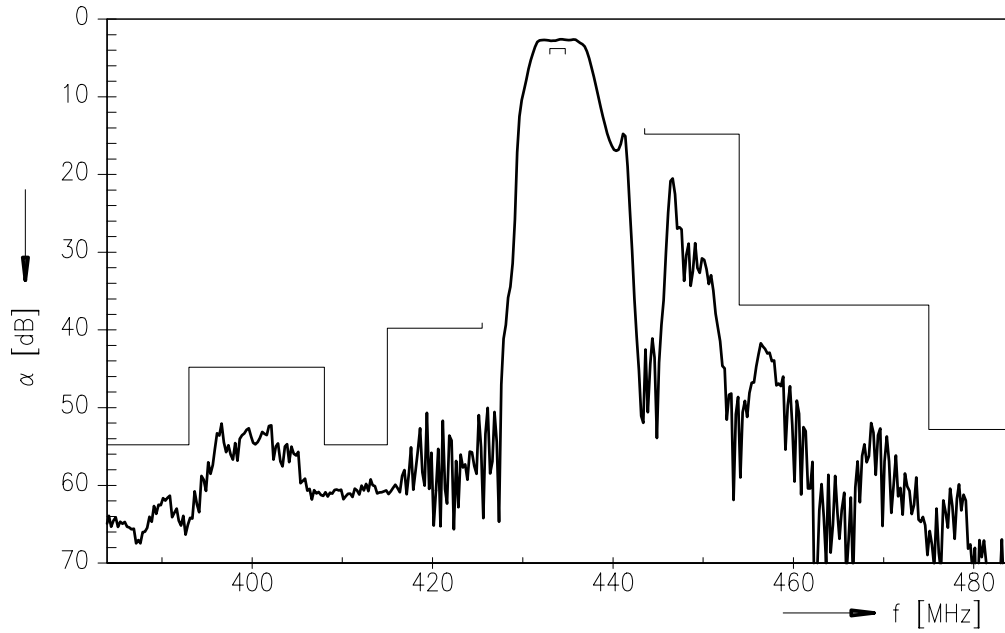
Terminating load impedance: $Z_L = 50 \Omega$

		min.	typ.	max.	
Center frequency	f_c	—	433,92	—	MHz
Maximum insertion attenuation	α_{\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 α_{\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

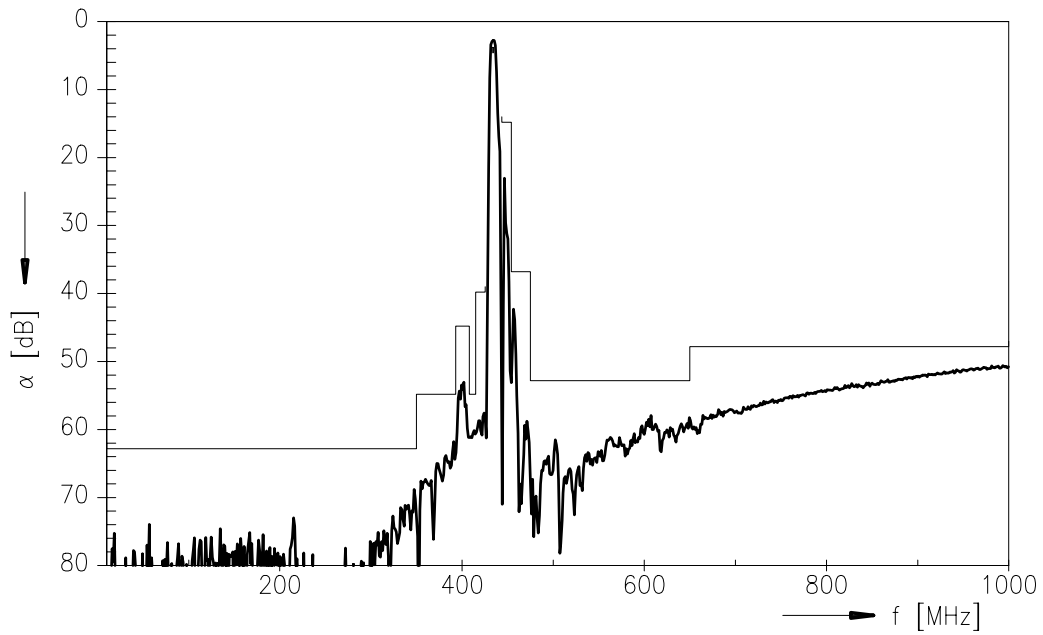


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Transfer function



Transfer function (wideband)





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Surface Acoustic Wave Components Division, SAW CE AE PD

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