



SAW Components

Data Sheet B3583

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

B3583

Low Loss Filter

345,00 MHz

Data Sheet

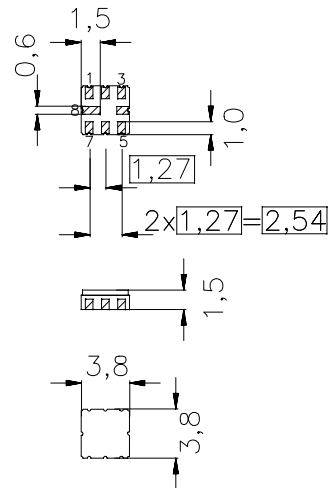
Features

- 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

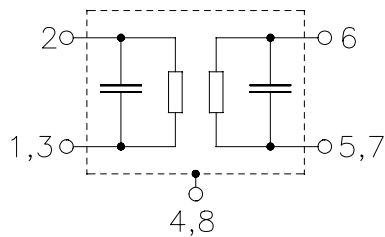
Ceramic package **QCC8B**



Dimensions in mm, approx. weight 0,07

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
B3583	B39351-B3583-Z810	C61157-A7-A56	F61074-V8070-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T_A	-20/+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	0	dBm	



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Characteristics

Reference temperature: $T_A = 25\text{ °C}$
 Terminating source impedance: $Z_S = 50\text{ }\Omega$
 Terminating load impedance: $Z_L = 50\text{ }\Omega$

		min.	typ.	max.	
Center frequency	f_c	—	345,00	—	MHz
Maximum insertion attenuation					
	344,60 ... 345,40 MHz $\alpha_{\max}$	—	2,5	3,5	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
	344,60 ... 345,40 MHz	—	0,5	1,5	dB
Relative attenuation (relative to $\alpha_{\max}$)	α_{rel}				
	10,00 ... 320,00 MHz	48	53	—	dB
	320,00 ... 325,00 MHz	41	47	—	dB
	325,00 ... 337,00 MHz	32	39	—	dB
	337,00 ... 339,00 MHz	26	31	—	dB
	351,00 ... 358,00 MHz	13	16	—	dB
	358,00 ... 370,00 MHz	35	39	—	dB
	370,00 ... 700,00 MHz	47	52	—	dB
	700,00 ... 1000,00 MHz	40	45	—	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K



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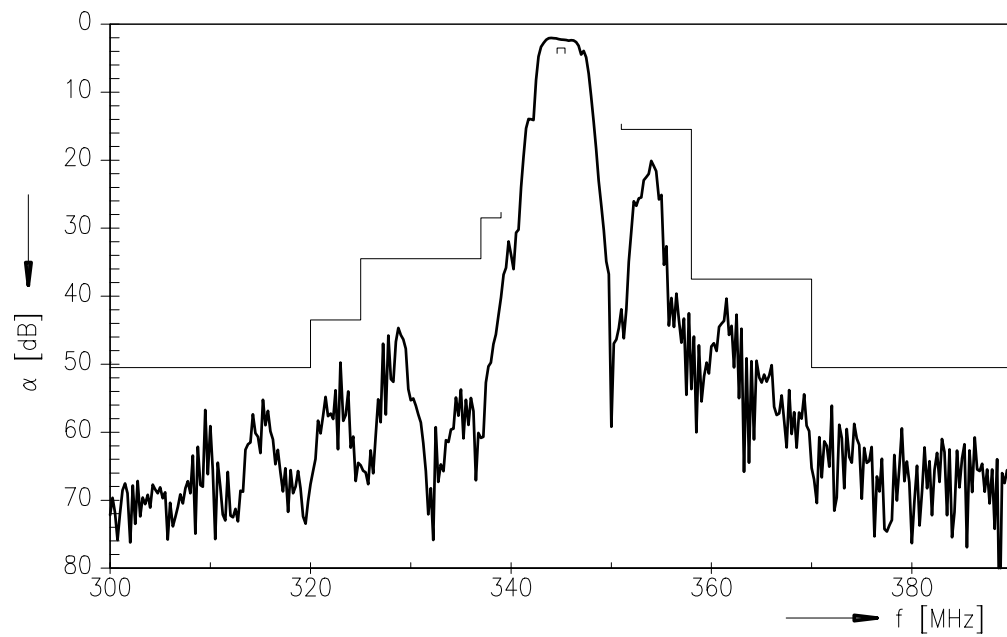
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Low Loss Filter

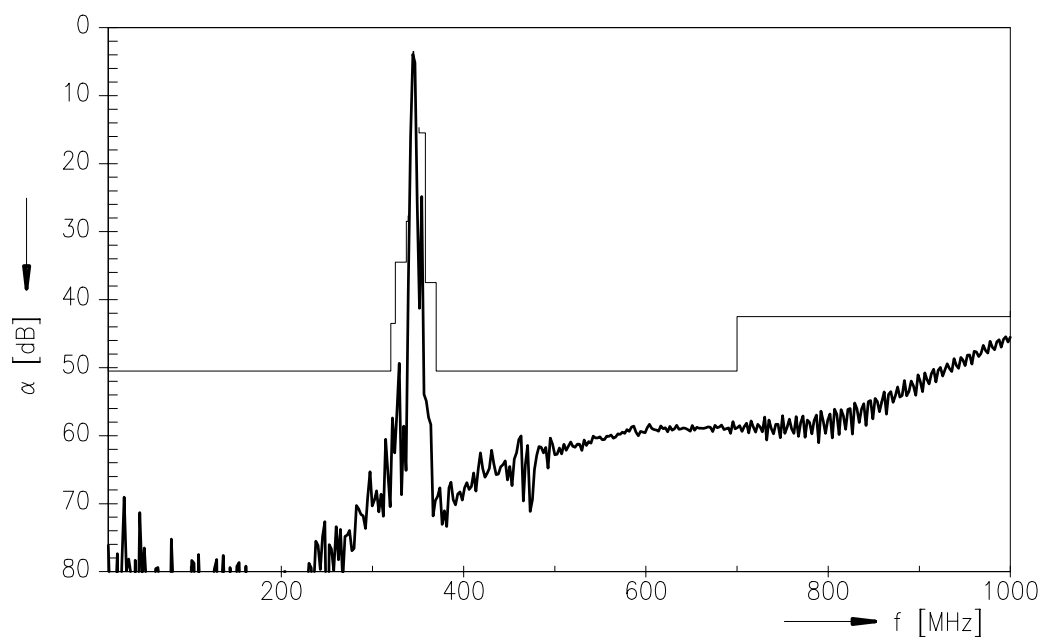
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Transfer function



Transfer function (wideband)





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Surface Acoustic Wave Components Division, SAW CE AE PD

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