



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 set against a dark, textured background. In the background, there is a faint, stylized globe and some circuitry patterns, suggesting a global and technological theme.



SAW Components

B3583

Low Loss Filter

345,00 MHz

Data Sheet

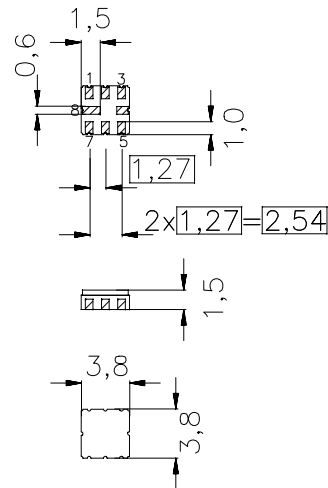
Features

- 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

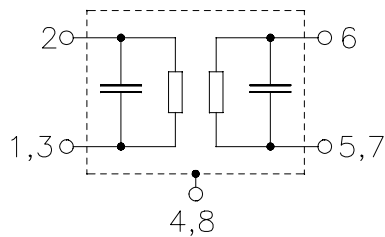
Ceramic package **QCC8B**



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	



SAW Components

B3583

Low Loss Filter

345,00 MHz

Data Sheet

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



SAW Components

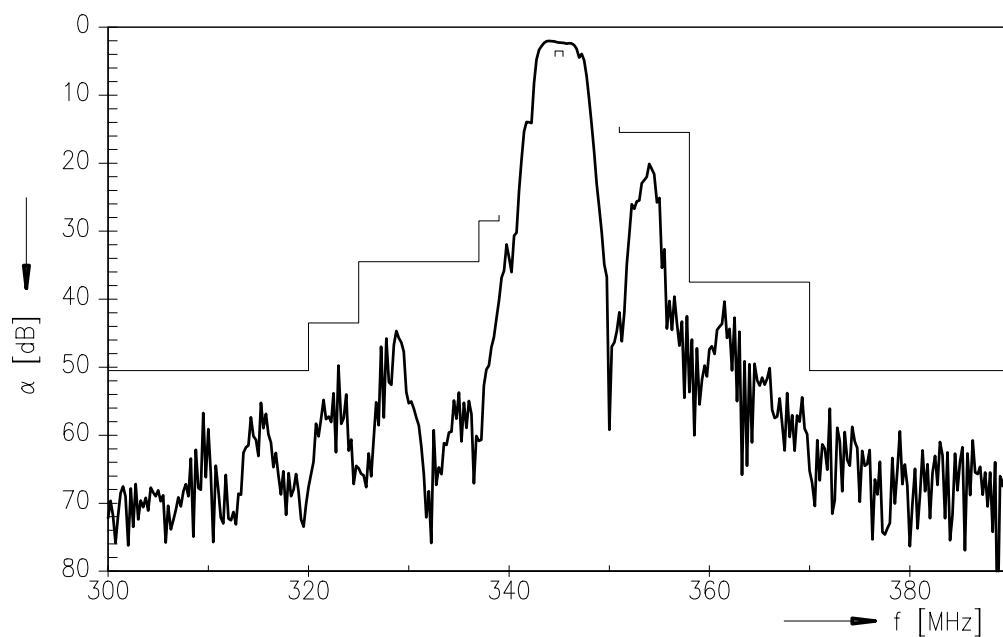
B3583

Low Loss Filter

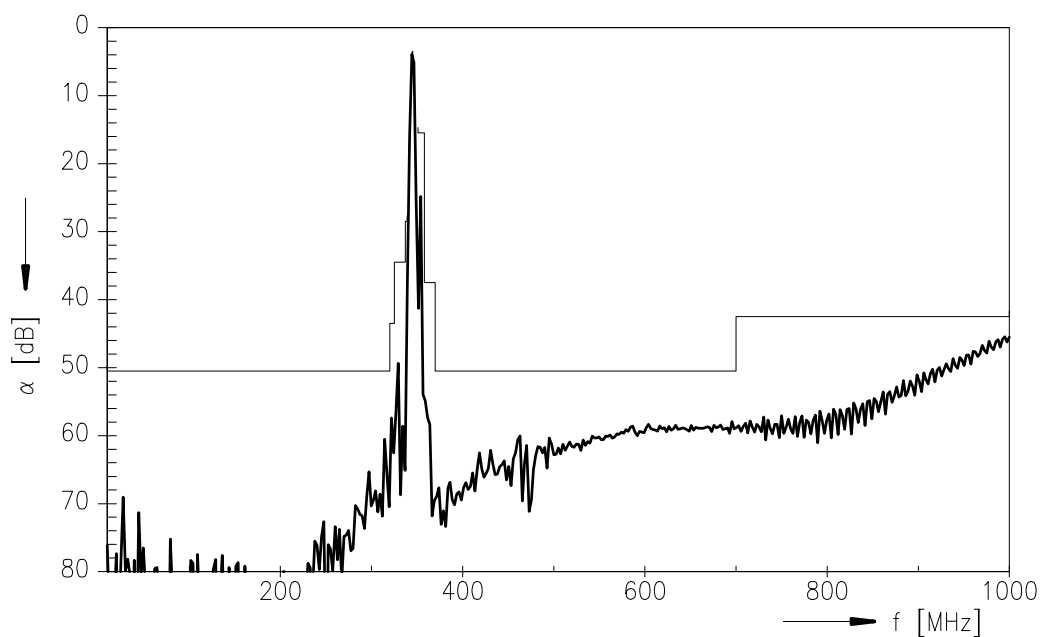
345,00 MHz

Data Sheet

Transfer function



Transfer function (wideband)





SAW Components

B3583

Low Loss Filter

345,00 MHz

Data Sheet

Published by EPCOS AG

Surface Acoustic Wave Components Division, SAW CE AE PD

P.O. Box 80 17 09, D-81617 München

© EPCOS AG 2001. All Rights Reserved.

As far as patents or other rights of third parties are concerned, liability is only assumed for components per se, not for applications, processes and circuits implemented within components or assemblies.

The information describes the type of component and shall not be considered as assured characteristics.

Terms of delivery and rights to change design reserved.

For questions on technology, prices and delivery please contact the sales offices of EPCOS AG or the international representatives.

Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our sales offices.