



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SAW Components

Data Sheet B3589

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 a globe or a stylized wave. The background is dark and textured.



SAW Components

B3589

Low-loss Filter

864,00 MHz

Data Sheet

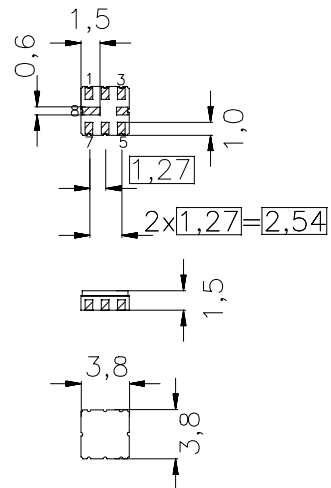
Features

- Low loss RF filter for wireless audio application
- Low amplitude ripple
- High image frequency suppression
- No matching network required for operation at 50 Ω
- Package for **Surface Mounted Technology (SMT)**

Terminals

- Ni, gold-plated

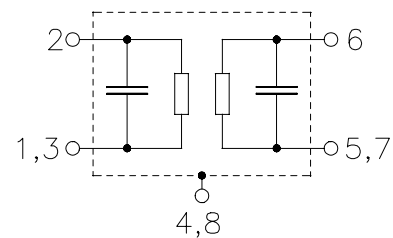
Ceramic package **QCC8B**



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
B3589	B39861-B3589-Z810	C61157-A7-A46	F61074-V8037-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	0/+40	°C	source impedance 50 Ω
Storage temperature range	T_{stg}	-40/+85	°C	
DC voltage	V_{DC}	0	V	
Source power	P_S	0	dBm	



Data Sheet

Characteristics

Operating temperature range: $T = 0 \dots 40 \text{ }^\circ\text{C}$

Terminating source impedance: $Z_S = 50 \text{ } \Omega$

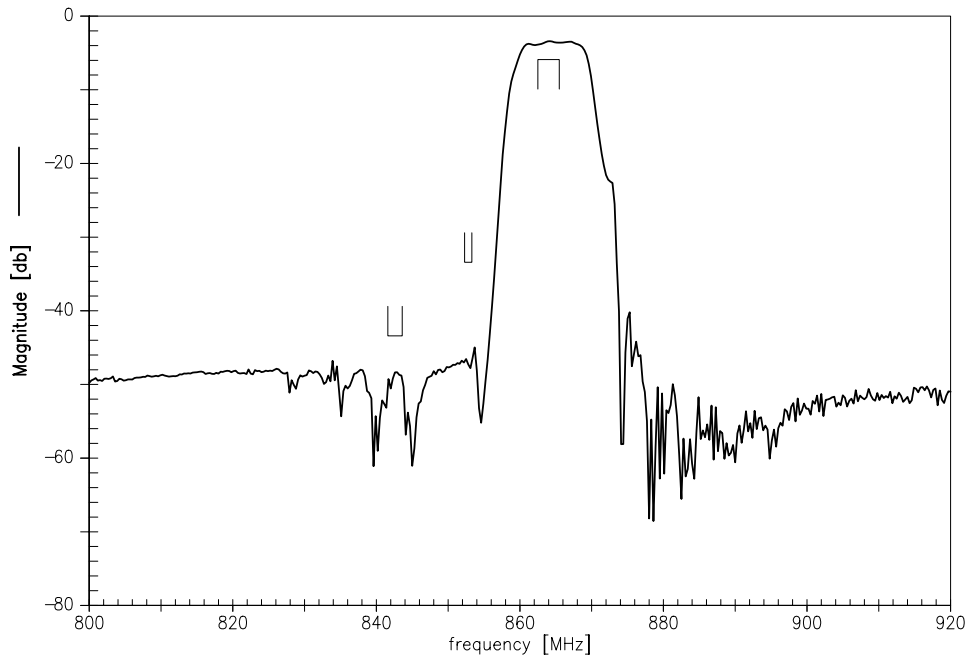
Terminating load impedance: $Z_L = 50 \text{ } \Omega$

		min.	typ.	max.	
Center frequency	f_c	—	864,00	—	MHz
Maximum insertion attenuation	α_{\max}				
	862,50 ... 865,50 MHz	—	4,0	6,0	dB
Amplitude ripple	$\Delta\alpha$				
	862,50 ... 865,50 MHz	—	1,5	2,5	dB
Relative attenuation (relative to α_{\max})	α_{rel}				
	841,60 ... 843,60 MHz	40,0	44,0	—	dB
	852,30 ... 853,30 MHz	30,0	38,0	—	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K

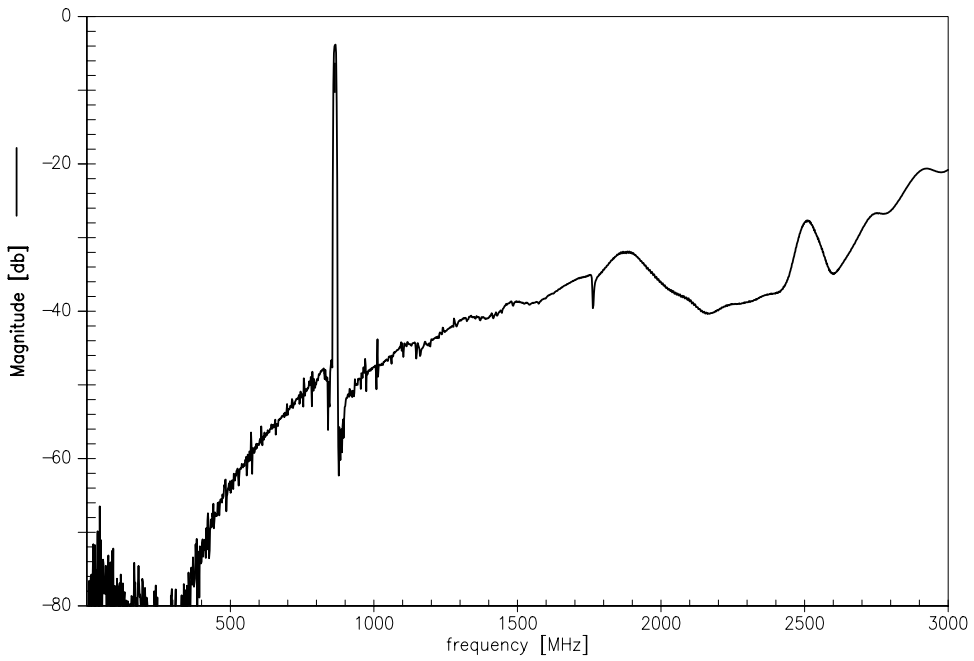


Data Sheet

Transfer function



Transfer function (wideband)





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This brochure replaces the previous edition.

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.