



SAW Components

Data Sheet B3589





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B3589

Low-loss Filter

864,00 MHz

Data Sheet

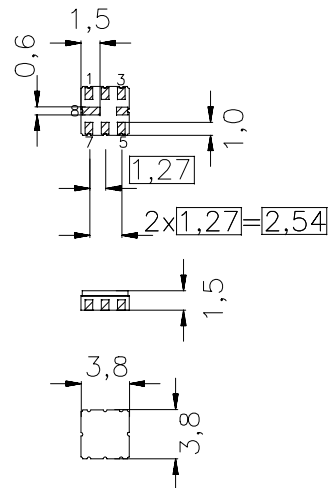
Features

- 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

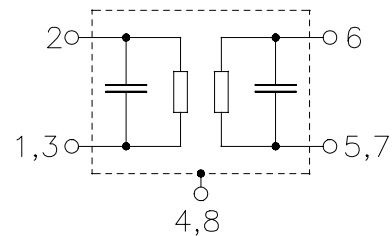
Ceramic package **QCC8B**



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 **S**ensitive **D**evice (**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	



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Characteristics

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

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

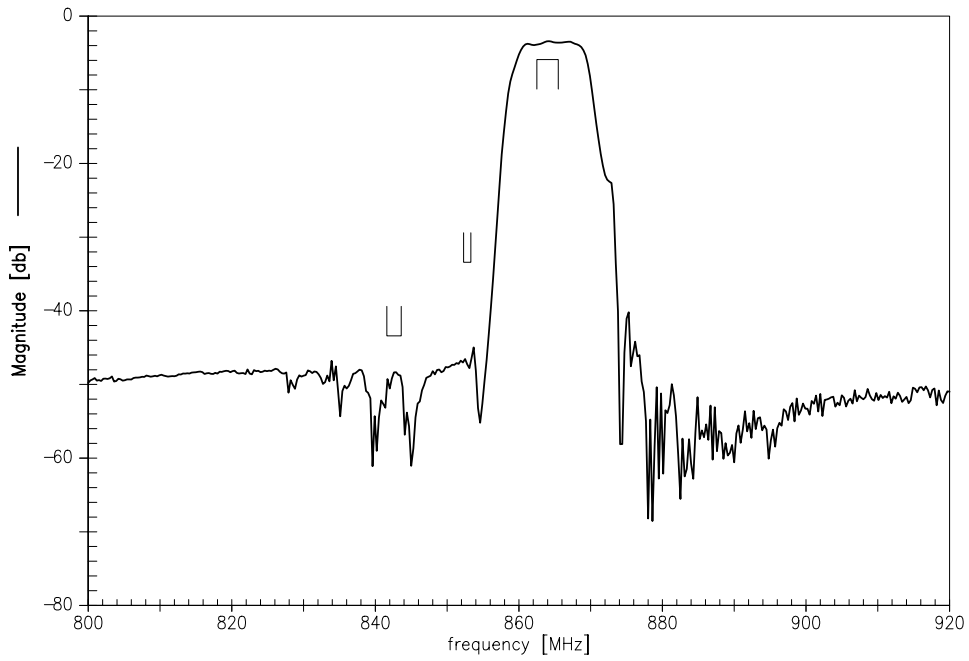
Terminating load impedance: $Z_L = 50 \text{ } \Omega$

		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

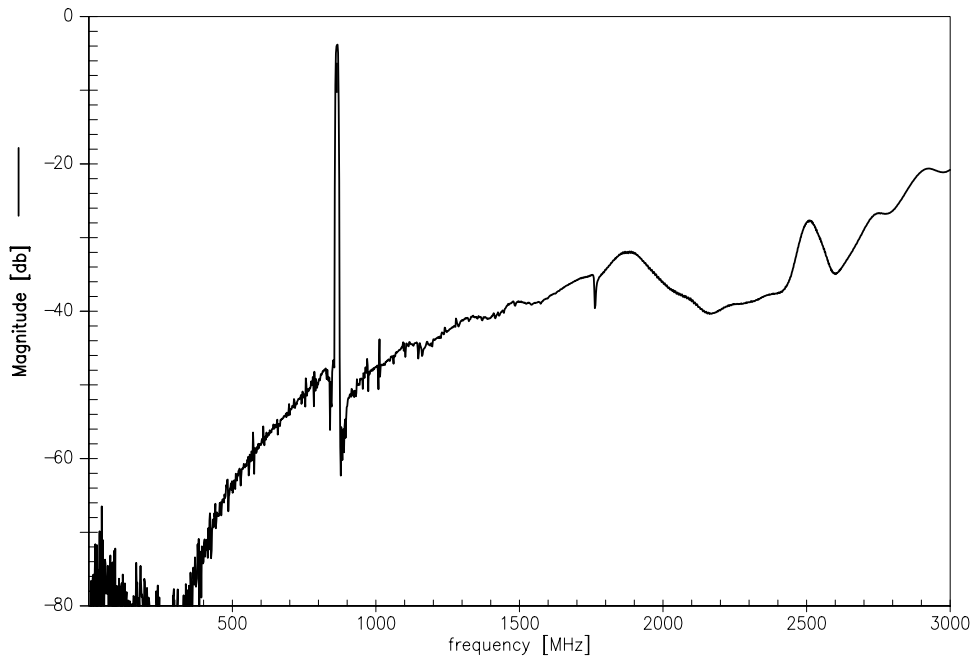


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Transfer function



Transfer function (wideband)





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