



SAW Components

Data Sheet B3705

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 top of the EPCOS logo. The background is dark and textured, with a faint map of the world visible.



SAW Components

B3705

Low Loss Filter

915,00 MHz

Data Sheet

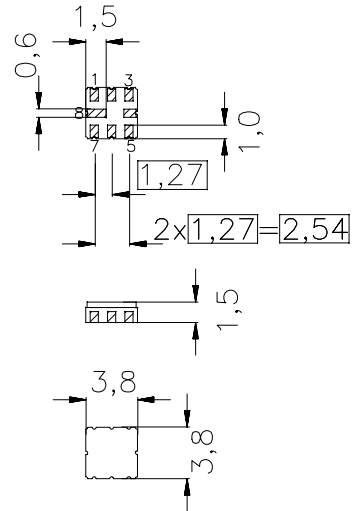
Features

- RF low-loss filter for wireless audio application
- Package for **Surface Mounted Technology (SMT)**
- Hermetically sealed ceramic package
- No Matching network required for operation at 50 Ω

Terminals

- Ni, gold plated

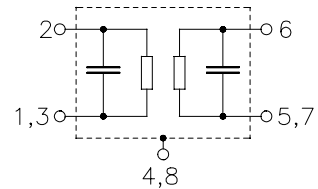
Ceramic package **QCC8B**



Dimensions in mm, approx. weight 0,1 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
B3705	B39921-B3705-Z810	C61157-A7-A46	F61074-V8070-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T_A	-40/+85	°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 (Spec. 1)

Reference temperature: $T_A = +5 \dots 65 \text{ }^\circ\text{C}$
 Terminating source impedance: $Z_S = 50 \text{ } \Omega$
 Terminating load impedance: $Z_L = 50 \text{ } \Omega$

		min.	typ.	max.	
Center frequency	f_c	—	914,70	—	MHz
Maximum insertion attenuation					
913,90 ... 915,50 MHz	α_{\max}	—	4,0	6,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
913,90 ... 915,50 MHz		—	1,0	2,0	dB
Relative attenuation (relative to α_{\max})	α_{rel}				
10,00 ... 890,00 MHz		43	48	—	dB
892,30 ... 895,10 MHz		30	35	—	dB
903,40 ... 904,60 MHz		25	35	—	dB
955,00 ... 1100,00 MHz		38	45	—	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K



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Characteristics (Spec. 2)

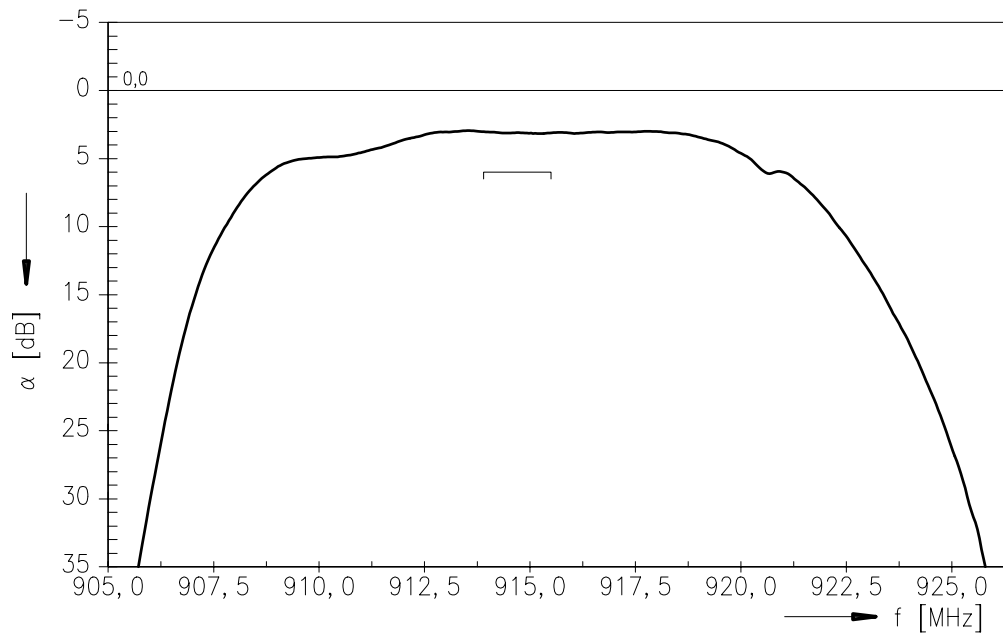
Reference temperature: $T_A = -40 \dots +85 \text{ }^\circ\text{C}$
 Terminating source impedance: $Z_S = 50 \text{ } \Omega$
 Terminating load impedance: $Z_L = 50 \text{ } \Omega$

		min.	typ.	max.	
Center frequency	f_c	—	914,70	—	MHz
Maximum insertion attenuation					
914,50 ... 916,00 MHz	α_{\max}	—	4,0	6,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
914,50 ... 916,00 MHz		—	1,0	2,0	dB
Relative attenuation (relative to α_{\max})	α_{rel}				
10,00 ... 890,00 MHz		43	48	—	dB
892,30 ... 895,10 MHz		30	35	—	dB
955,00 ... 1100,00 MHz		38	45	—	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K

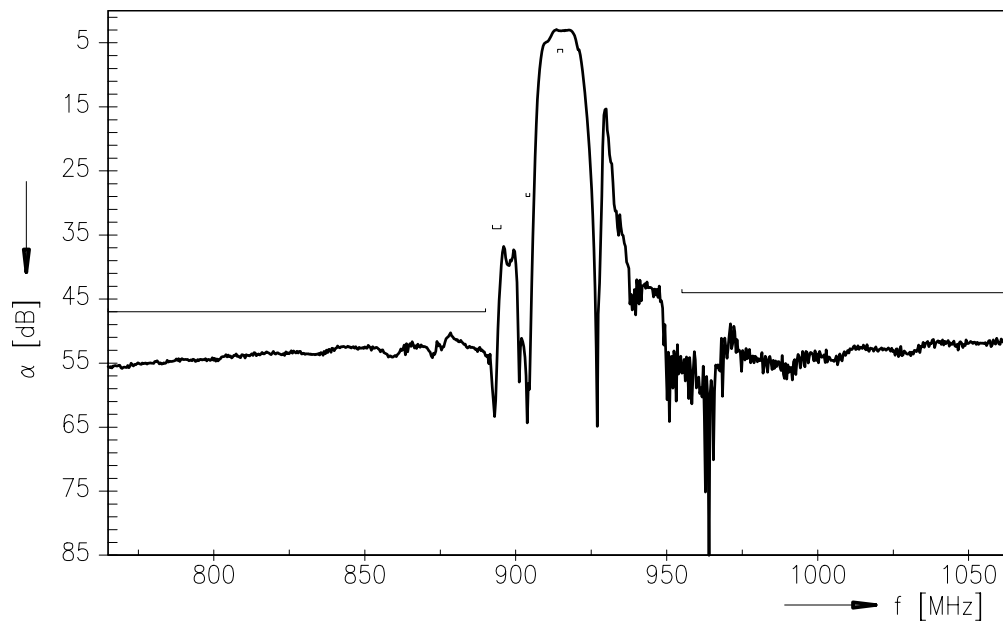


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Normalized frequency response (Spec.1)



Normalized frequency response (Spec. 1) (wideband)





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