



SAW Components

Data Sheet B3563

Data Sheet

An abstract graphic featuring the word "EPCOS" in large, glowing, 3D letters. The letters are white with a bright, circular highlight in the center of each, giving them a three-dimensional appearance. They are set against a dark, textured background that includes a faint, glowing globe and circuitry patterns, suggesting a high-tech or electronic theme.



SAW Components

B3563

Low-loss Filter

864,00 MHz

Data Sheet

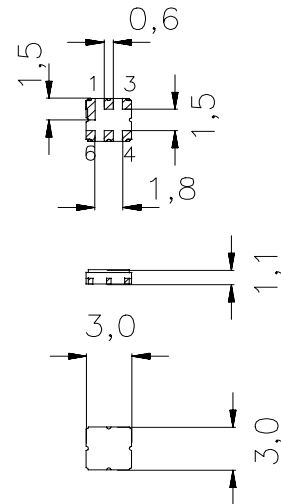
Features

- 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

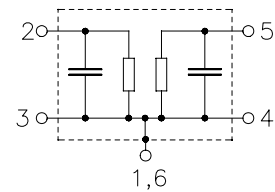
Ceramic package DCC6C



Dimensions in mm, approx. weight 0,037 g

Pin configuration

2	Input
5	Output
1, 3, 4, 6	Ground



Type	Ordering code	Marking and Package according to	Packing according to
B3563	B39861-B3563-U410	C61157-A7-A67	F61074-V8088-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	0/+40	$^{\circ}\text{C}$	
Storage temperature range	T_{stg}	-40/+85	$^{\circ}\text{C}$	
DC voltage	V_{DC}	0	V	
Source power	P_{S}	0	dBm	source impedance 50 Ω



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Characteristics

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

Terminating source impedance: $Z_S = 50\ \Omega$

Terminating load impedance: $Z_L = 50\ \Omega$

		min.	typ.	max.	
Center frequency	f_c	—	864,00	—	MHz
Maximum insertion attenuation	$\alpha_{\max}$				
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 $\alpha_{\max}$)	α_{rel}				
841,60 ... 843,60 MHz		40,0	44,0	—	dB
852,30 ... 853,30 MHz		30,0	38,0	—	dB
879,00 ... 915,00 MHz		30,0	38,0	—	dB
Temperature coefficient of frequency	TC_f	—	−30	—	ppm/K



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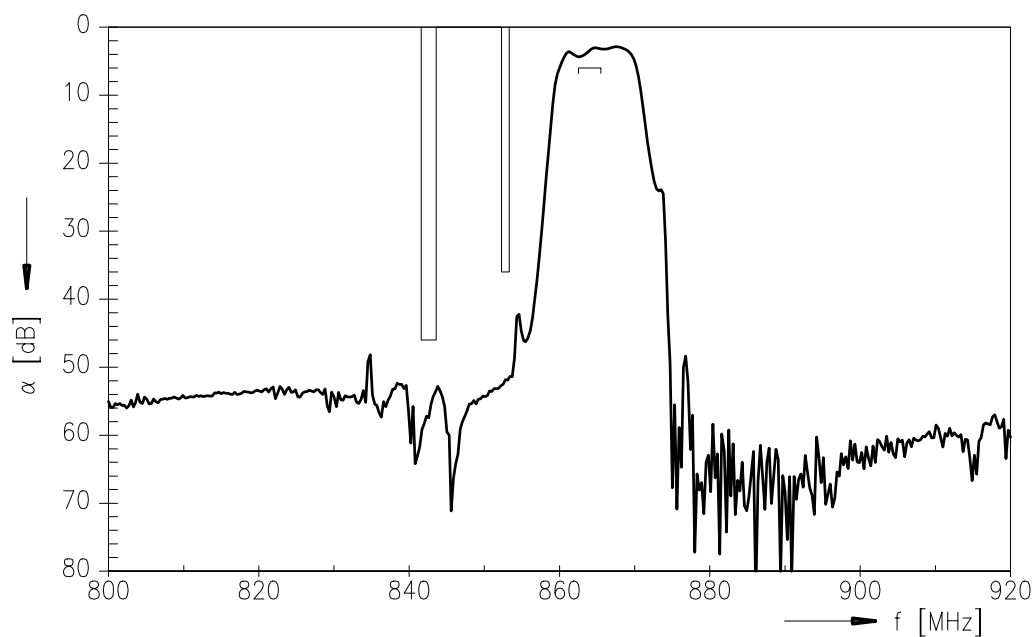
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Low-loss Filter

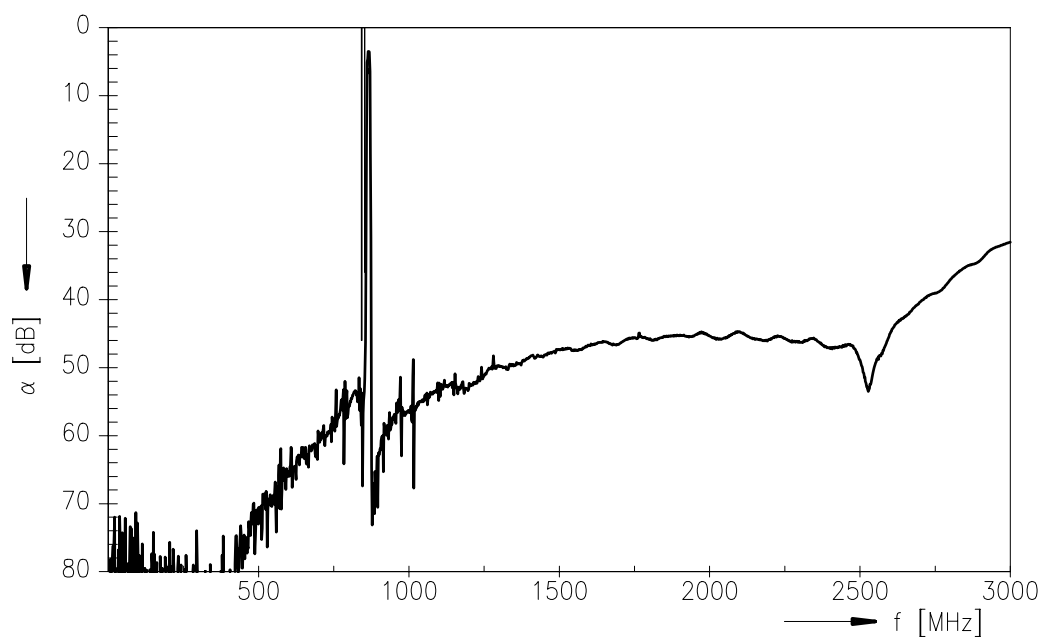
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Transfer function



Transfer function (wideband)





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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.