



# SAW Components

Data Sheet B3563





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B3563

Low-loss Filter

864,00 MHz

Data Sheet

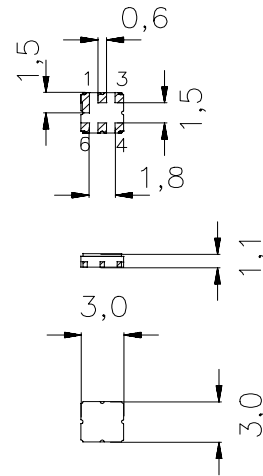
**Features**

- 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 **S**urface **M**ounted **T**echnology (**SMT**)

**Terminals**

- Ni, gold-plated

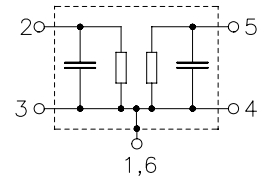
Ceramic package **DCC6C**



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	°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:  $Z_S = 50 \text{ } \Omega$

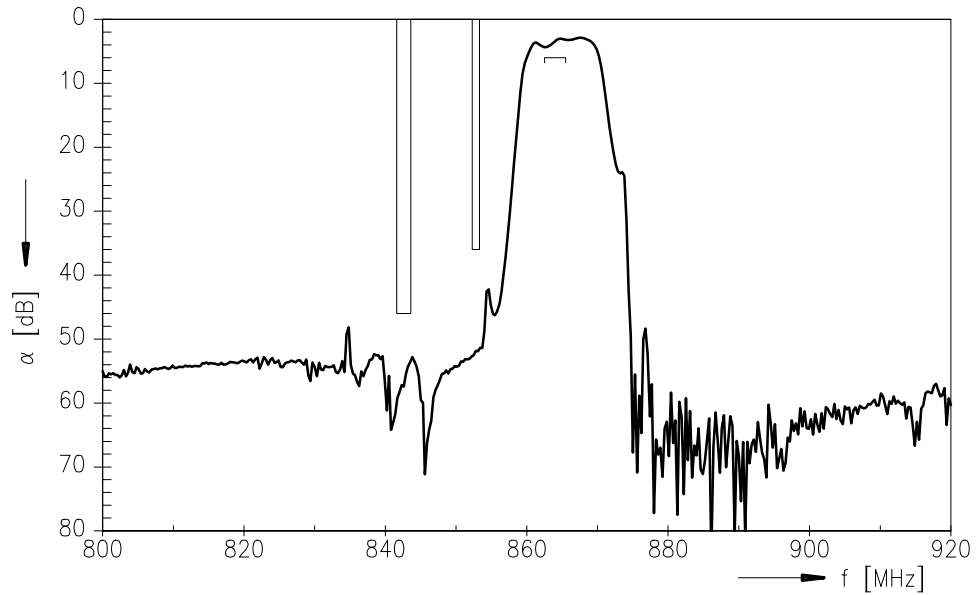
Terminating load impedance:  $Z_L = 50 \text{ } \Omega$

		min.	typ.	max.	
<b>Center frequency</b>	$f_c$	—	864,00	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$				
	862,50 ... 865,50 MHz	—	4,0	6,0	dB
<b>Amplitude ripple</b>	$\Delta\alpha$				
	862,50 ... 865,50 MHz	—	1,5	2,5	dB
<b>Relative attenuation (relative to <math>\alpha_{\max}</math>)</b>	$\alpha_{\text{rel}}$				
	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
<b>Temperature coefficient of frequency</b>	$TC_f$	—	-30	—	ppm/K

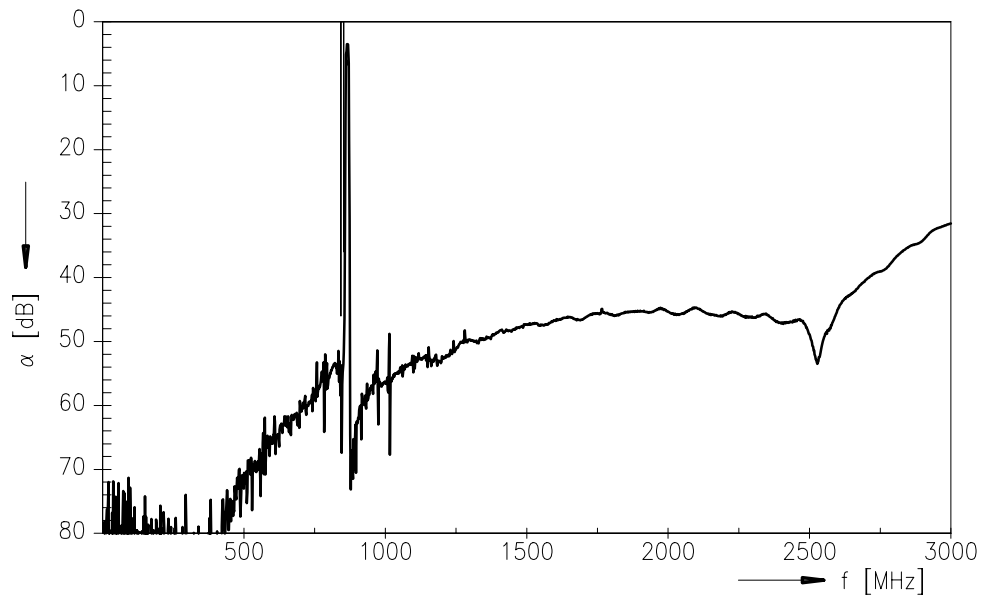


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Transfer function



Transfer function (wideband)





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**Published by EPCOS AG**  
**Surface Acoustic Wave Components Division, SAW CE AE**  
**P.O. Box 80 17 09, 81617 Munich, GERMANY**

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