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SAW Components

Data Sheet B3563

Data Sheet

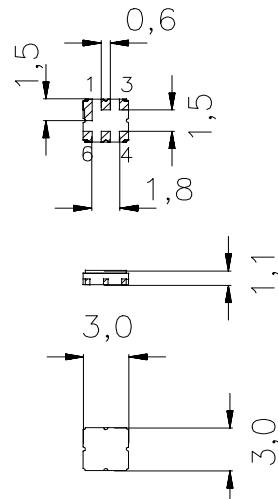
EP

**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 $50\ \Omega$
- Package for Surface Mounted Technology (SMT)

Terminals

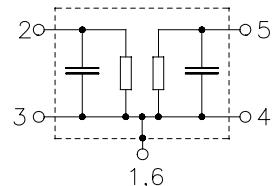
- Ni, gold-plated

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

**SAW Components****B3563****Low-loss Filter****864,00 MHz****Data Sheet****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	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 852,30 ... 853,30 MHz 879,00 ... 915,00 MHz	40,0 30,0 30,0	44,0 38,0 38,0	— — —	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K



SAW Components

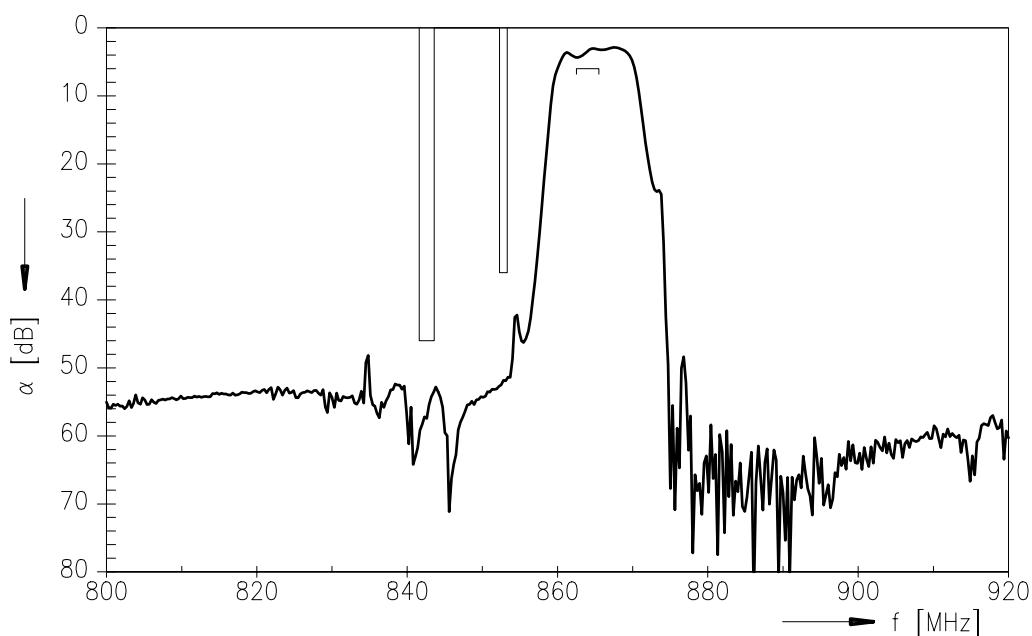
B3563

Low-loss Filter

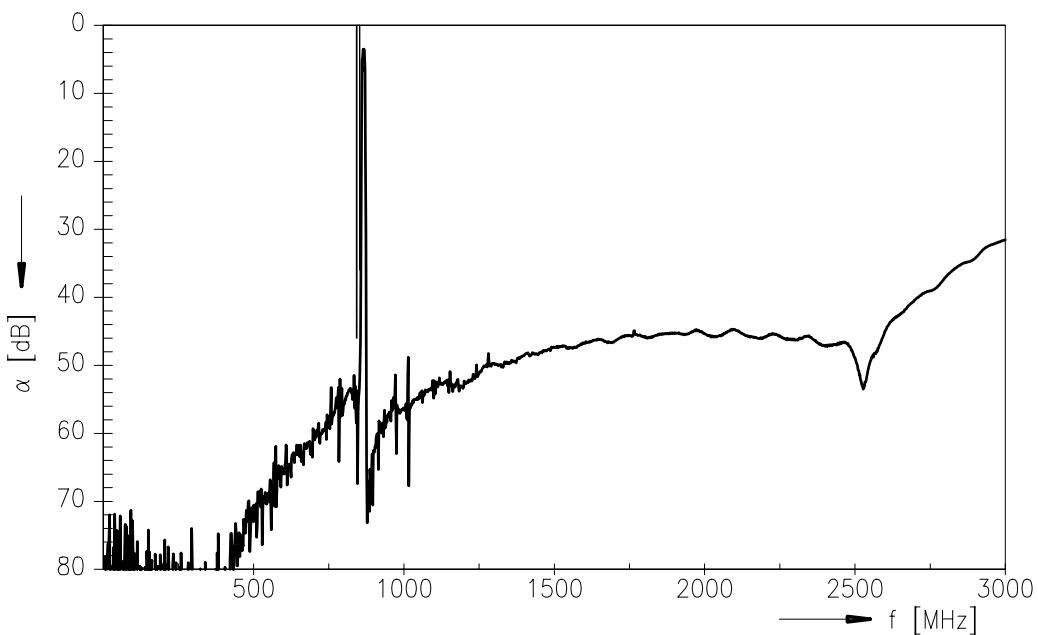
864,00 MHz

Data Sheet

Transfer function



Transfer function (wideband)





SAW Components	B3563
Low-loss Filter	864,00 MHz

Data Sheet

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