



# SAW Components

Data Sheet B3568





**SAW Components**

**B3568**

**Low Loss Filter**

**869,00 MHz**

**Data Sheet**

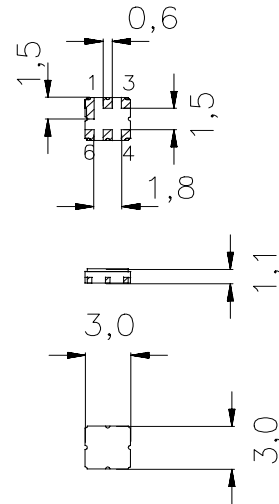
**Features**

- Low loss RF filter for remote control 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

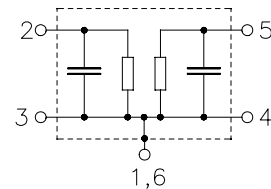
Ceramic package **DCC6C**



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
B3568	B39871-B3568-U410	C61157-A7-A67	F61074-V8088-Z000

Electrostatic Sensitive Device (ESD)

**Maximum ratings**

Operable temperature range	$T$	-10/+ 60	°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



Data Sheet

Characteristics

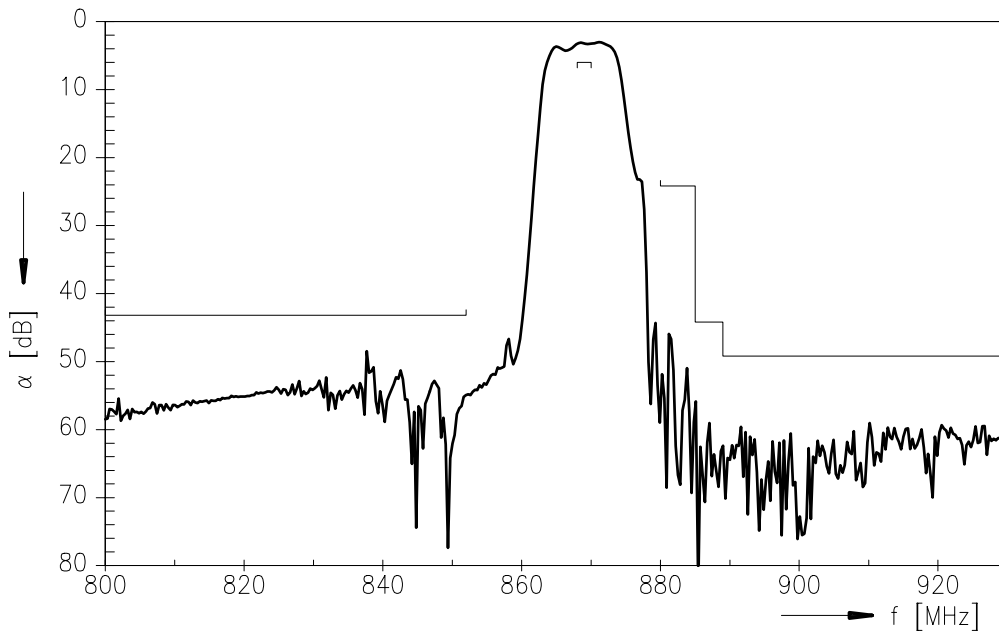
Operating temperature range:  $T = -10 \dots 60 \text{ }^\circ\text{C}$   
 Terminating source impedance:  $Z_S = 50 \text{ } \Omega$   
 Terminating load impedance:  $Z_L = 50 \text{ } \Omega$

		min.	typ.	max.	
<b>Center frequency</b>	$f_c$	—	869,00	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$	—	4,0	6,0	dB
868,00 ... 870,00 MHz					
<b>Amplitude ripple</b>	$\Delta\alpha$	—	1,5	2,5	dB
868,00 ... 870,00 MHz					
<b>Relative attenuation (relative to <math>\alpha_{\max}</math>)</b>	$\alpha_{\text{rel}}$				
800,00 ... 852,00 MHz		39,0	44,0	—	dB
880,00 ... 885,00 MHz		20,0	35,0	—	dB
885,00 ... 889,00 MHz		40,0	45,0	—	dB
889,00 ... 1000,00 MHz		45,0	50,0	—	dB
<b>Temperature coefficient of frequency</b>	$TC_f$	—	-30	—	ppm/K

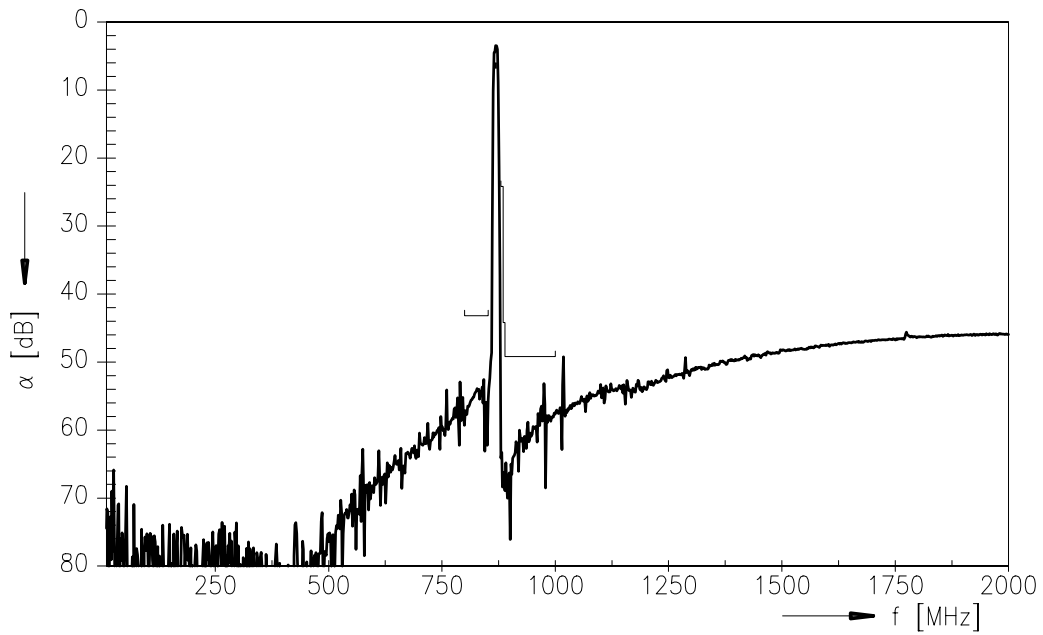


Data Sheet

Transfer function



Transfer function (wideband)





**SAW Components**

**B3568**

**Low Loss Filter**

**869,00 MHz**

Data Sheet

**Published by EPCOS AG**

**Surface Acoustic Wave Components Division, SAW CE AE PD**

**P.O. Box 80 17 09, D-81617 München**

© EPCOS AG 2001. All Rights Reserved.

As far as patents or other rights of third parties are concerned, liability is only assumed for components per se, not for applications, processes and circuits implemented within components or assemblies.

The information describes the type of component and shall not be considered as assured characteristics.

Terms of delivery and rights to change design reserved.

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.