



# SAW Components

Data Sheet B3568





**SAW Components**

**B3568**

**Low Loss Filter**

**869,00 MHz**

**Data Sheet**

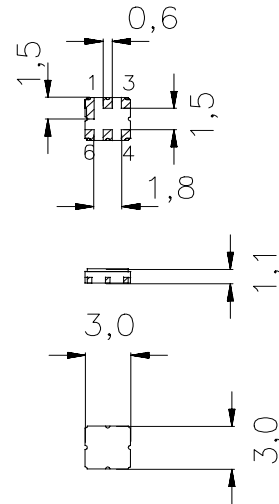
Ceramic package **DCC6C**

**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**

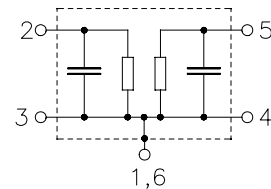
- Ni, gold-plated



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



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Characteristics

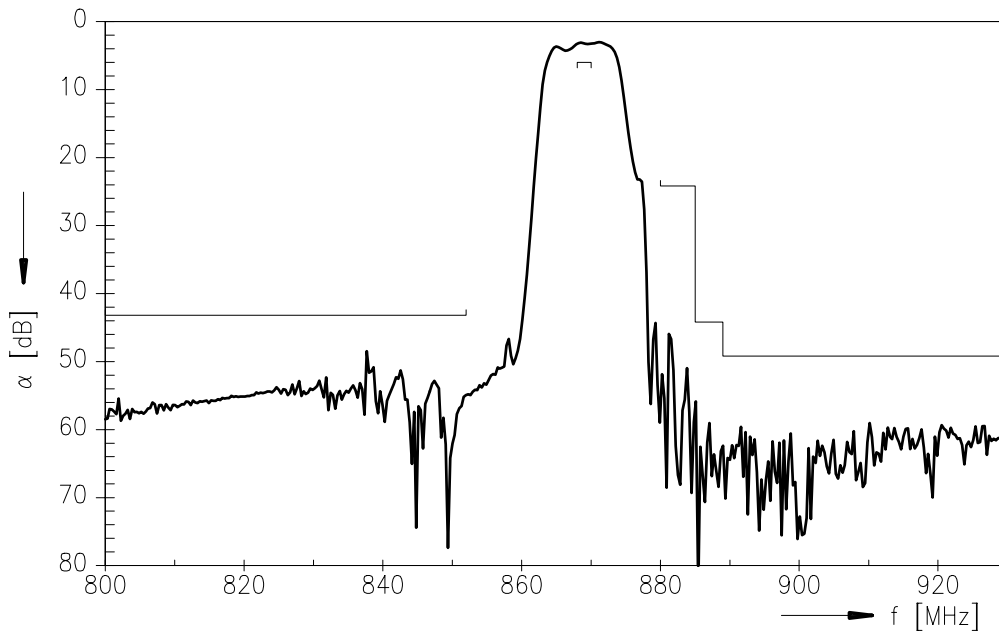
Operating temperature range:  $T = -10 \dots 60 \text{ }^\circ\text{C}$   
 Terminating source impedance:  $Z_S = 50 \text{ } \Omega$   
 Terminating load impedance:  $Z_L = 50 \text{ } \Omega$

		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

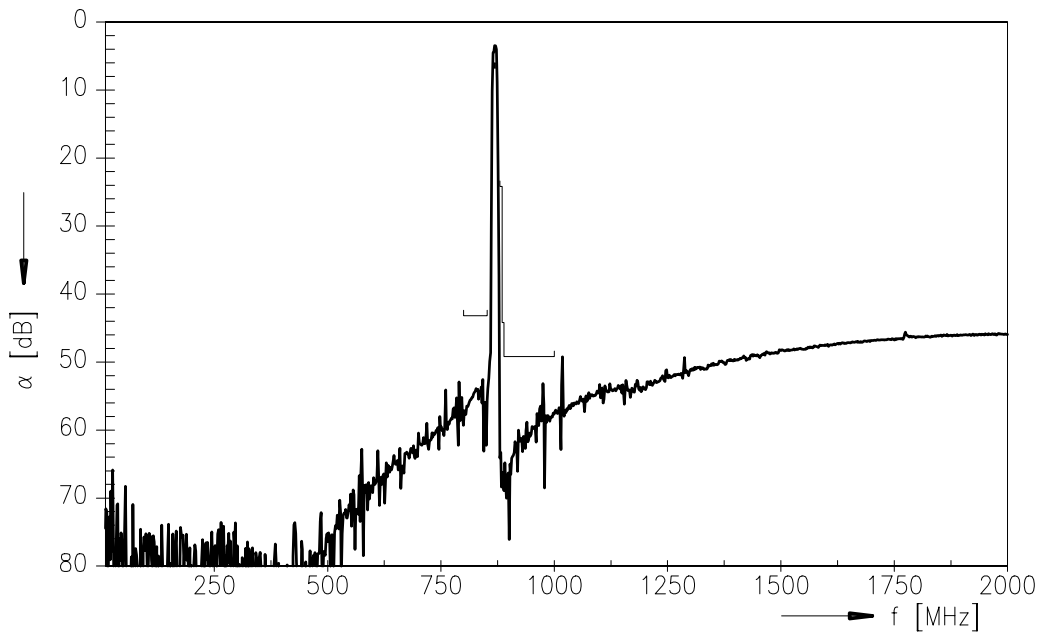


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Transfer function



Transfer function (wideband)





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