



SAW Components

Data Sheet B3710





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B3710

Low Loss Filter

433,92 MHz

Data Sheet

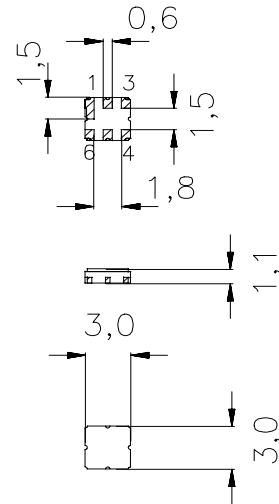
Features

- RF low-loss filter for remote control application
- Package for **Surface Mounted Technology (SMT)**
- Hermetically sealed ceramic package
- No matching network required for operation at 50 Ω
- Passivation layer: Elpas
- AEC-Q200 qualified components family

Terminals

- Ni, gold-plated

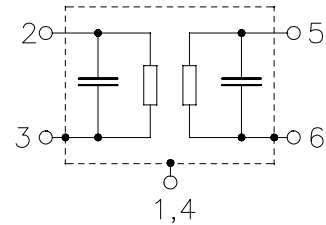
Ceramic package **DCC6C**



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
B3710	B39431-B3710-U410	C61157-A7-A67	F61074-V8168-Z000

Electrostatic **S**ensitive **D**evice (**ESD**)

Maximum ratings

Operable temperature range	T	-40/+85	°C	source impedance 50 Ω
Storage temperature range	T_{stg}	-45/+90	°C	
DC voltage	V_{DC}	0	V	
Source power	P_S	10	dBm	



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Characteristics

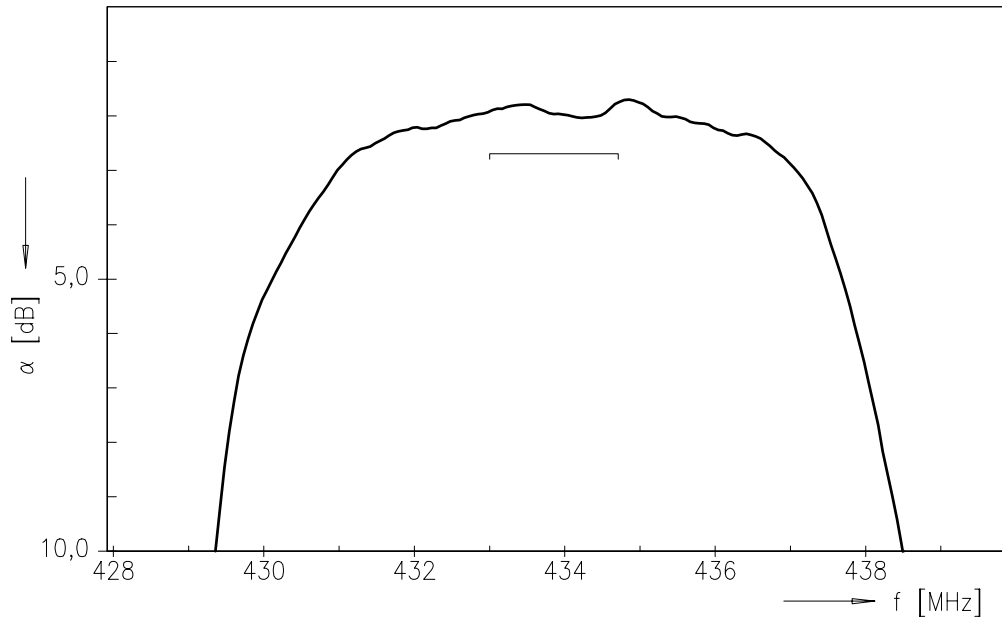
Operating temperature range: $T = -40 \dots 85^\circ\text{C}$
 Terminating source impedance: $Z_S = 50 \Omega$
 Terminating load impedance: $Z_L = 50 \Omega$

		min.	typ.	max.	
Center frequency	f_c	—	433,92	—	MHz
Maximum insertion attenuation	α_{\max}				
	433,00 ... 434,71 MHz	—	2,0	2,7	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
	433,00 ... 434,71 MHz	—	0,5	1,3	dB
Attenuation	α				
	10,00 ... 380,00 MHz	55	60	—	dB
	380,00 ... 413,50 MHz	49	53	—	dB
	413,50 ... 424,00 MHz	40	48	—	dB
	443,75 ... 454,00 MHz	25	33	—	dB
	454,00 ... 470,00 MHz	35	44	—	dB
	470,00 ... 650,00 MHz	48	55	—	dB
	650,00 ... 1000,00 MHz	40	50	—	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K

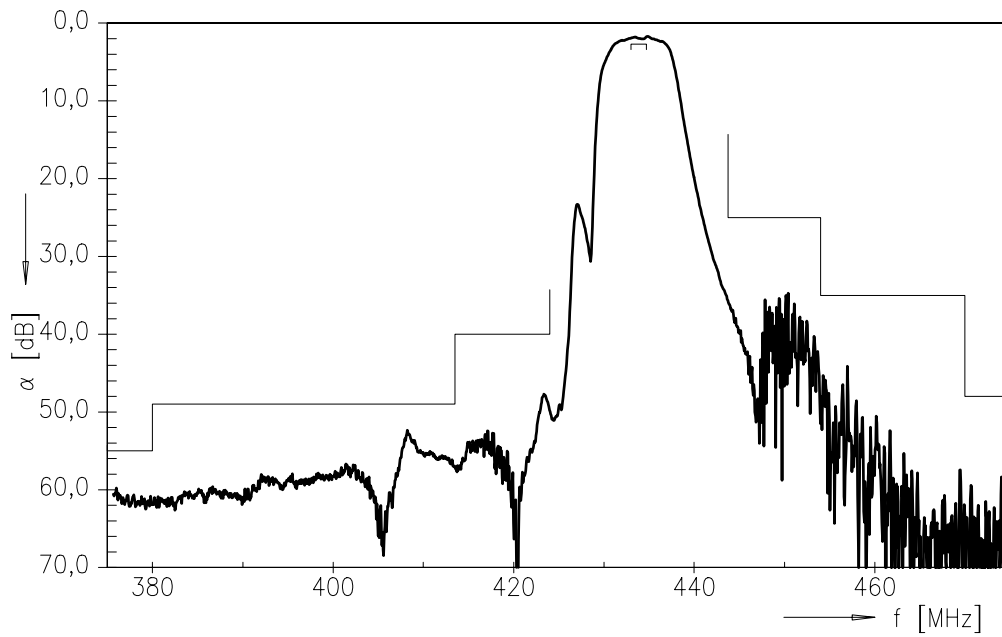


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Transfer function



Transfer function (wideband)





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Published by EPCOS AG

Surface Acoustic Wave Components Division, SAW CE AE PD

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