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SAW Components

Preliminary Data B3713

Data Sheet





SAW Components

B3713

Low Loss Filter

313,85 MHz

Preliminary Data

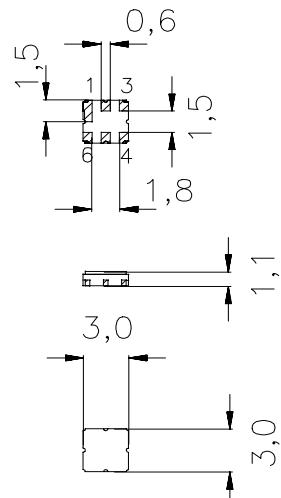
Features

- 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 $50\ \Omega$
- Passivation layer: Elpas
- AEC-Q200 qualified components family

Terminals

- Ni, gold-plated

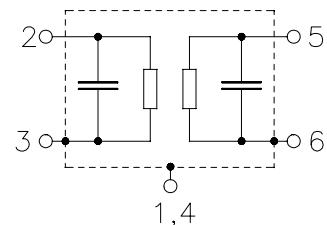
Ceramic package DCC6C



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
B3713	B39311-B3713-U410	C61157-A7-A67	F61074-V8168-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	-40/+85	$^{\circ}\text{C}$	
Storage temperature range	T_{stg}	-45/+90	$^{\circ}\text{C}$	
DC voltage	V_{DC}	0	V	
Source power	P_{S}	10	dBm	source impedance $50\ \Omega$

**SAW Components****B3713****Low Loss Filter****313,85 MHz****Preliminary Data****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	—	313,85	—	MHz
Maximum insertion attenuation	α_{\max} 313,55 ... 314,15 MHz	—	1,7	2,5	dB
Amplitude ripple (p-p)	$\Delta\alpha$ 313,55 ... 314,15 MHz	—	0,4	1,2	dB
Relative attenuation (relative to α_{\max})	α_{rel}				
	270,00 ... 286,00 MHz	55	60	—	dB
	291,85 ... 292,75 MHz	53	58	—	dB
	302,85 ... 303,45 MHz	48	53	—	dB
	324,25 ... 324,85 MHz	24	31	—	dB
	334,95 ... 335,85 MHz	36	41	—	dB
	356,35 ... 357,55 MHz	50	55	—	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K



SAW Components

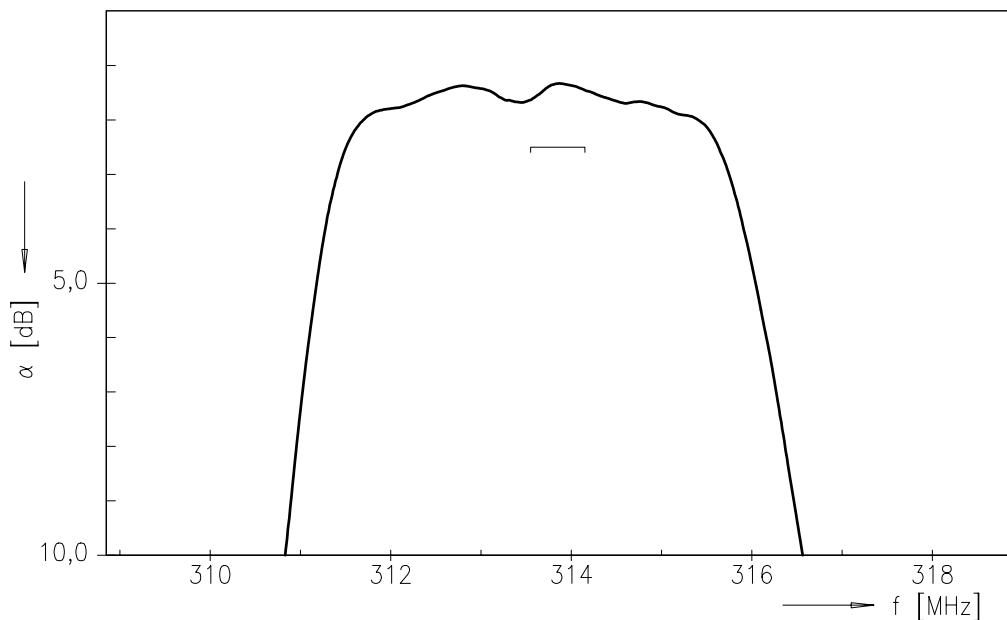
B3713

Low Loss Filter

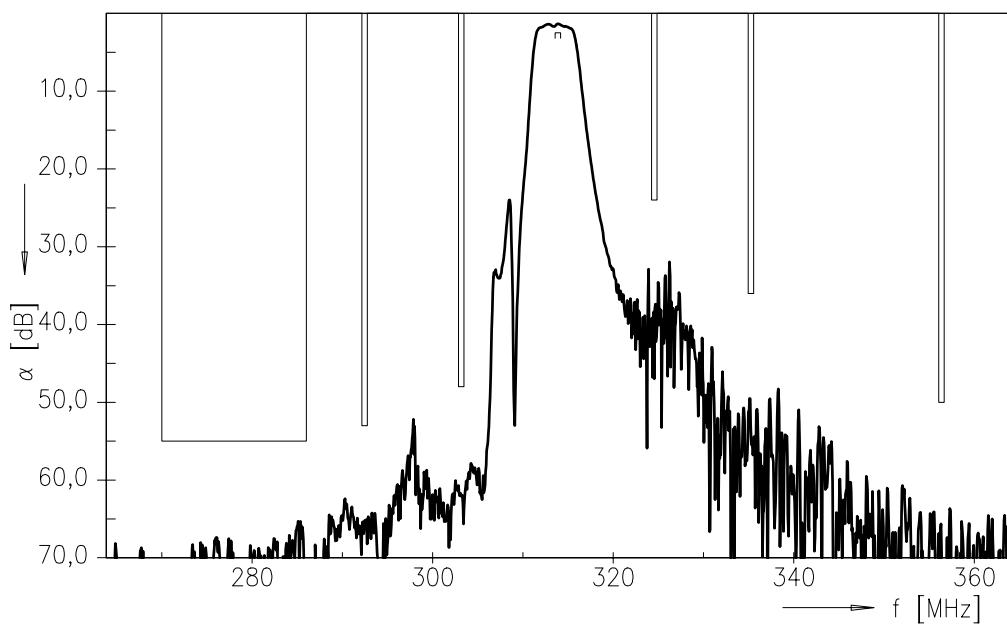
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Transfer function



Transfer function (wideband)





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This brochure replaces the previous edition.

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