EPCOS

SAW Components

Preliminary Data B3711

Preliminary Data

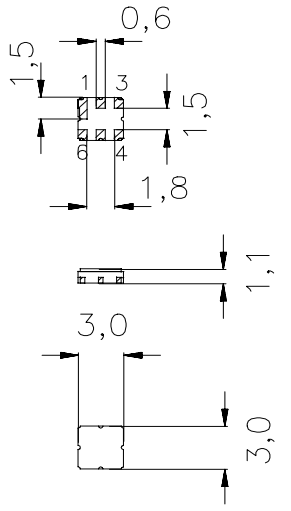
Ceramic package **DCC6C**

Features

- RF low-loss filter for remote control application
- Package for **S**urface **M**ounted **T**echnology (**SMT**)
- Hermetically sealed ceramic package
- No matching network required for operation at 50 Ω
- Passivation layer: Elpas

Terminals

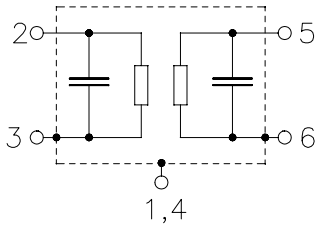
- Ni, gold-plated



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
B3711	B39321-B3711-U410	C61157-A7-A67	F61074-V8168-Z000

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

Maximum ratings

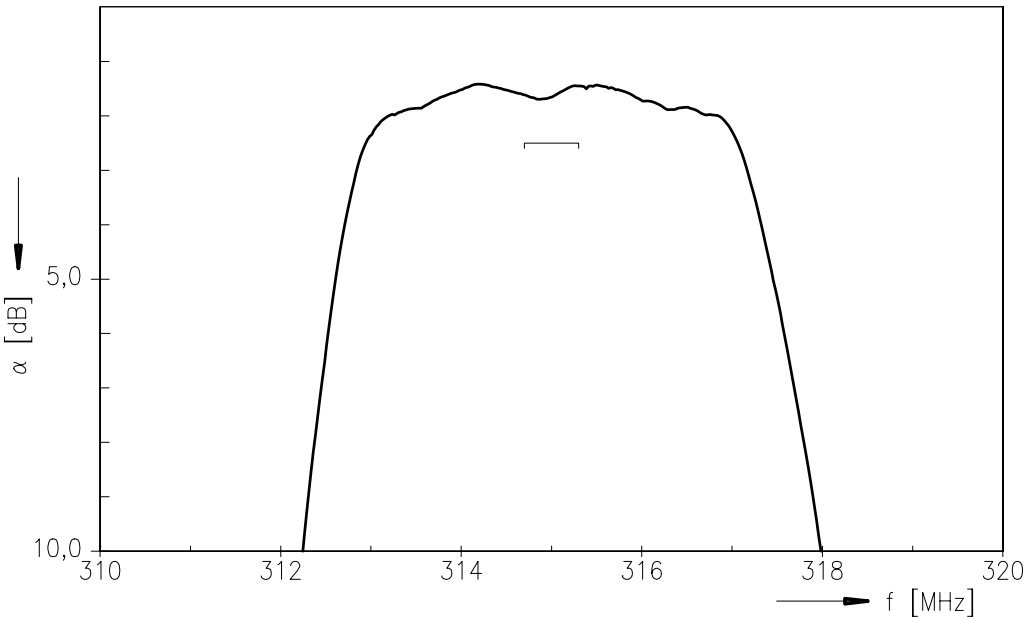
Operable temperature range	T	-40/+85	˚C	
Storage temperature range	T_{stg}	-45/+90	˚C	
DC voltage	V_{DC}	0	V	
Source power	P_S	10	dBm	source impedance 50 Ω

Characteristics

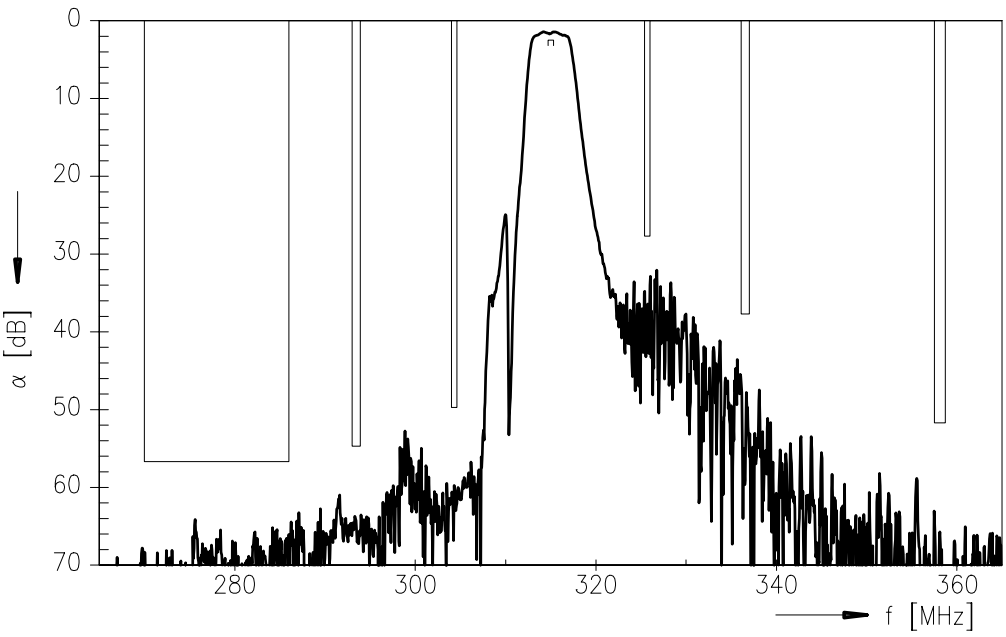
Operating temperature range: T = –40 ... 85˚C
Terminating source impedance: Z_S = 50 Ω
Terminating load impedance: Z_L = 50 Ω

		min.	typ.	max.	
Center frequency	f_c	—	315,00	—	MHz
Maximum insertion attenuation	α_{max}				
314,70 ... 315,30 MHz		—	1,7	2,5	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
314,70 ... 315,30 MHz		—	0,4	1,2	dB
Input VSWR					
314,70 ... 315,30 MHz		—	1,2	1,6	dB
Output VSWR					
314,70 ... 315,30 MHz		—	1,2	1,6	dB
Relative attenuation (relative to α_{max})	α_{rel}				
270,00 ... 286,00 MHz		55	60	—	dB
293,00 ... 293,90 MHz		53	58	—	dB
304,00 ... 304,60 MHz		48	53	—	dB
325,40 ... 326,00 MHz		24	31	—	dB
336,10 ... 337,00 MHz		36	41	—	dB
357,50 ... 358,70 MHz		50	55	—	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K

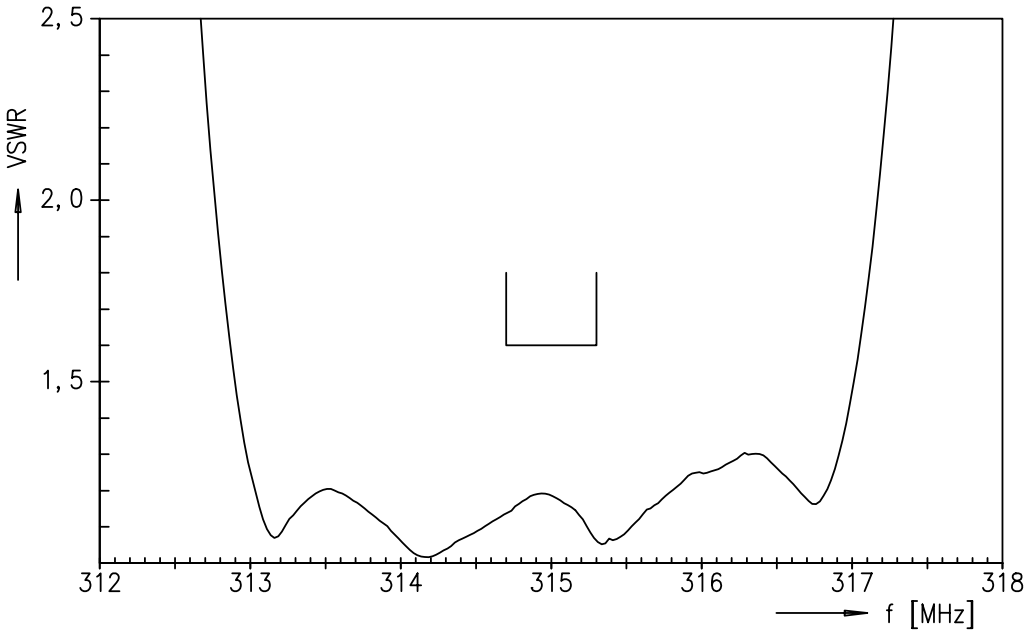
Transfer function



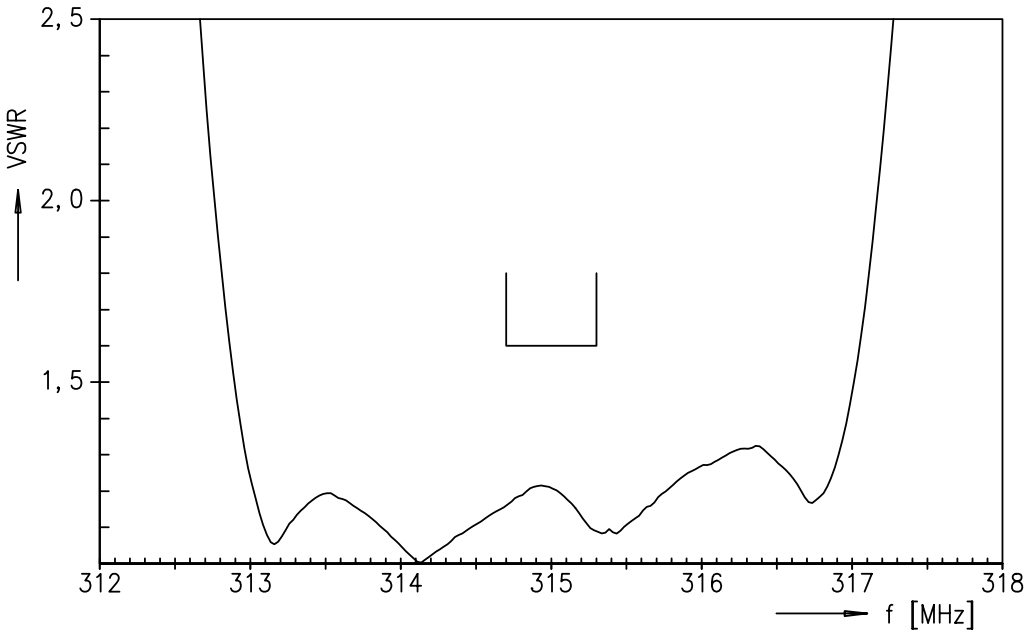
Transfer function (wideband)



Input VSWR



Output VSWR



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This brochure replaces the previous edition.

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