



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SAW Components

Preliminary Data B3711

Data Sheet





SAW Components

B3711

Low Loss Filter

315,00 MHz

Preliminary Data

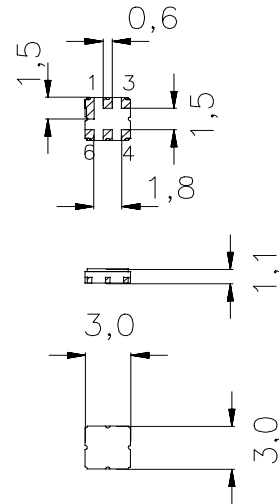
Features

- 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 Ω
- Passivation layer: Elpas

Terminals

- Ni, gold-plated

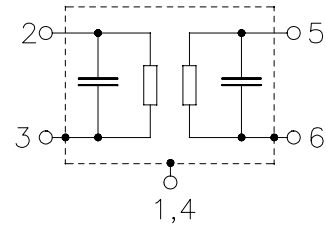
Ceramic package **DCC6C**



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

Electrostatic Sensitive Device (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 |



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Characteristics

Operating temperature range: $T = -40 \dots 85^\circ\text{C}$

Terminating source impedance: $Z_S = 50 \Omega$

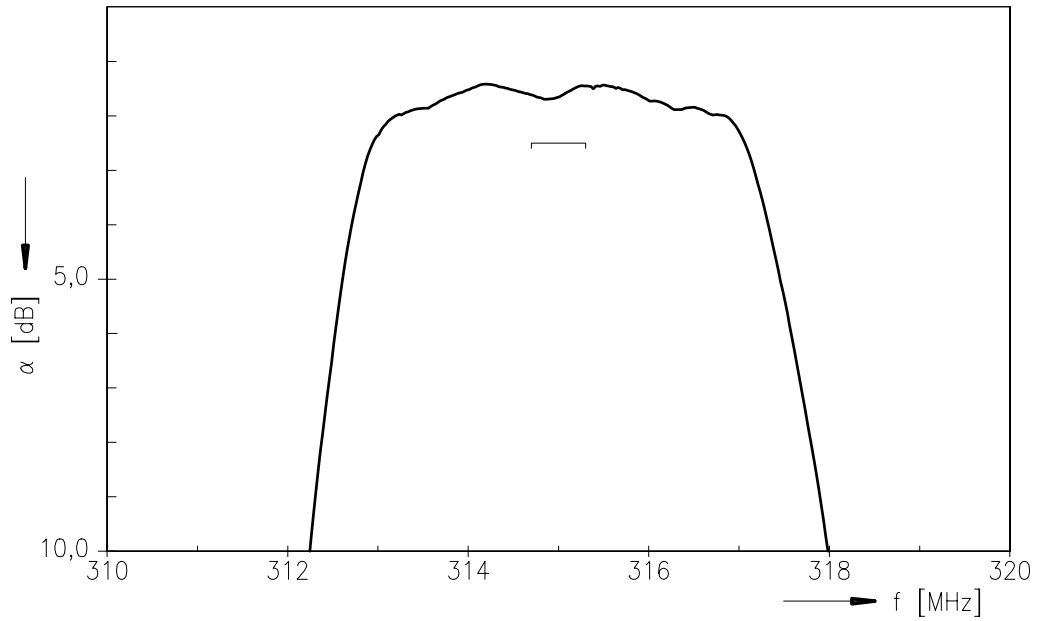
Terminating load impedance: $Z_L = 50 \Omega$

| | | min. | typ. | max. | |
|--|-----------------------|-------------|-------------|-------------|-------|
| Center frequency | f_c | — | 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 |

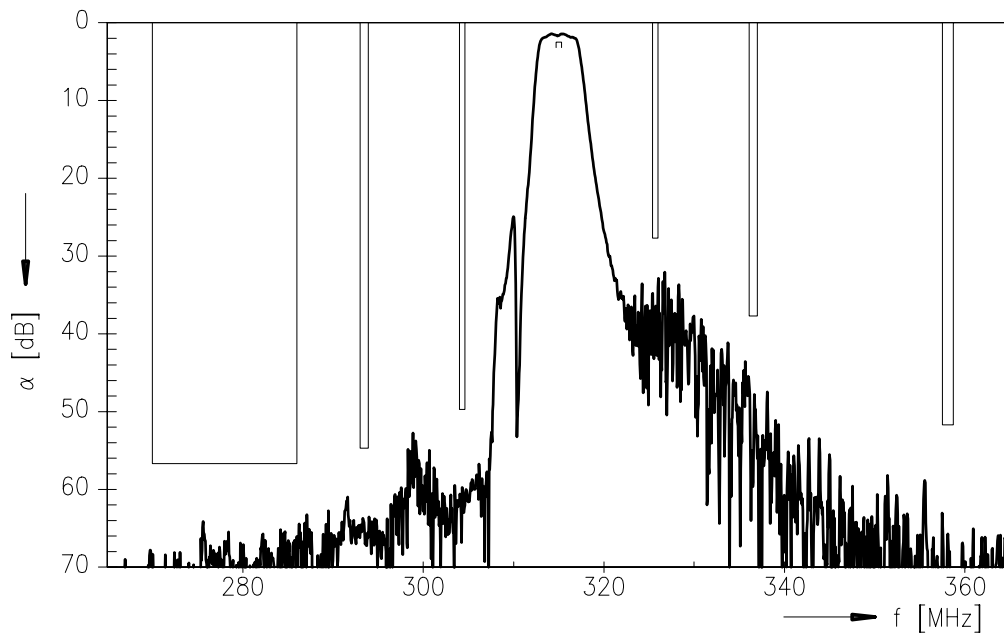


Preliminary Data

Transfer function



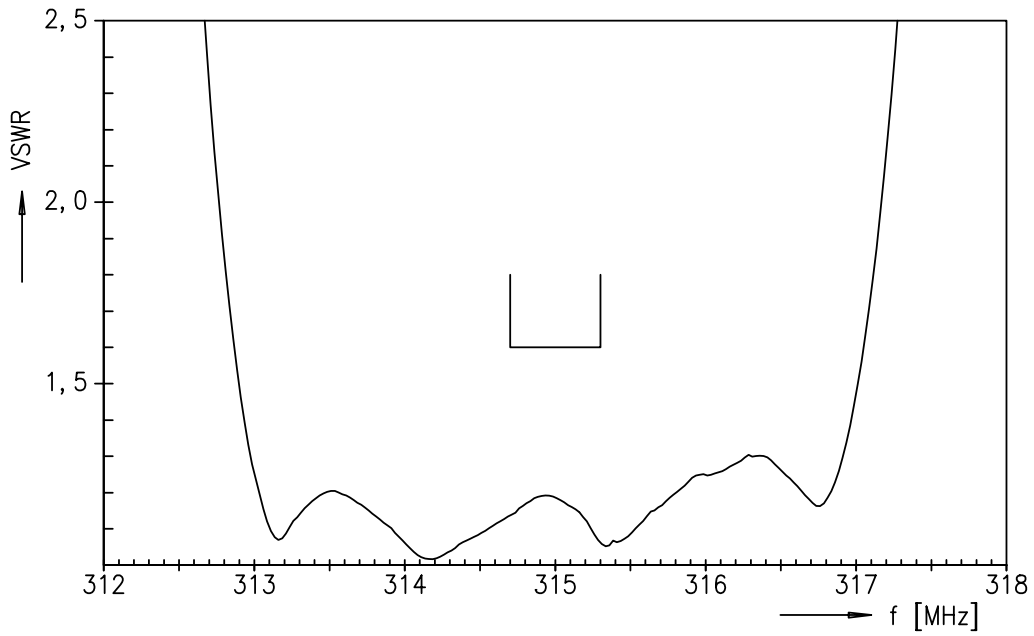
Transfer function (wideband)



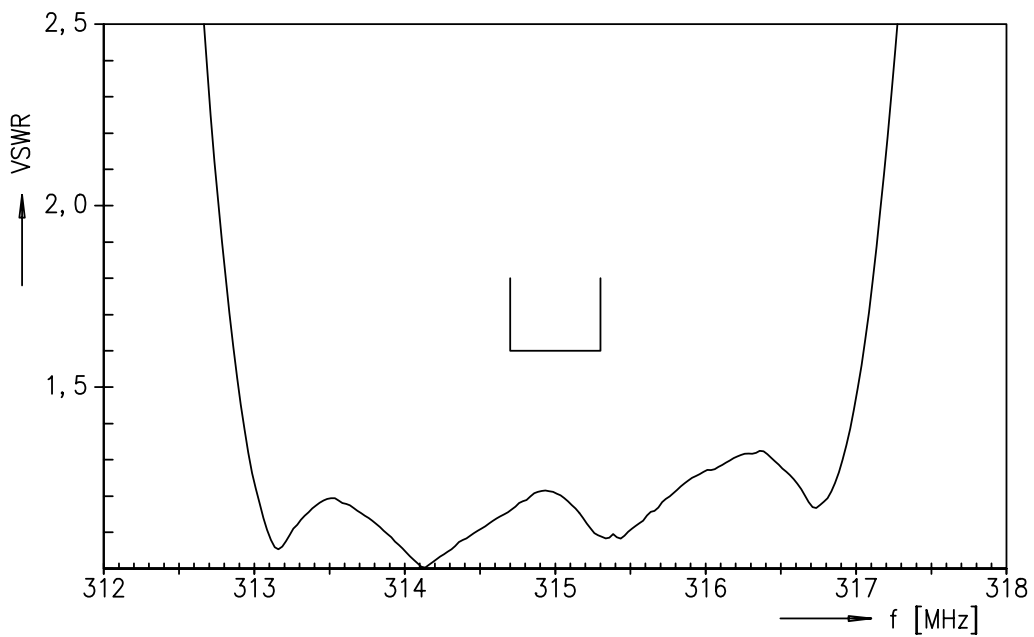


Preliminary Data

Input VSWR



Output VSWR





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Published by EPCOS AG

Surface Acoustic Wave Components Division, SAW CE AE PD

P.O. Box 80 17 09, D-81617 München

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