



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

Data Sheet B3581

Data Sheet

A large, stylized, 3D-rendered graphic of the EPCOS logo. The letters "EPCOS" are rendered in a white, glowing, sans-serif font, appearing to be part of a larger, curved structure that resembles a stylized globe or a series of overlapping planes. The background is dark and textured, with a faint map of the world visible.



SAW Components

B3581

Low Loss Filter

315,00 MHz

Data Sheet

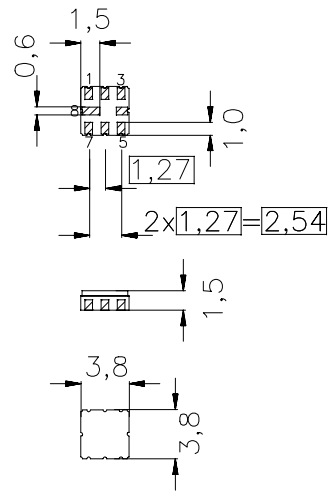
Features

- RF low-loss filter for remote control receivers
- Package for **Surface Mounted Technology (SMT)**
- Hermetically sealed ceramic package
- No matching network required for operation at 50 Ω

Terminals

- Ni, gold plated

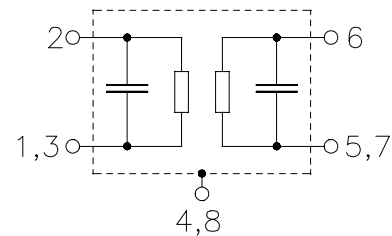
Ceramic package **QCC8B**



Dimensions in mm, approx. weight 0,07 g

Pin configuration

- 2 Input
- 1,3 Input Ground
- 6 Output
- 5,7 Output Ground
- 4,8 to be grounded



| Type | Ordering code | Marking and Package according to | Packing according to |
|-------|-------------------|----------------------------------|----------------------|
| B3581 | B39321-B3581-Z810 | C61157-A7-A46 | F61074-V8037-Z000 |

Electrostatic Sensitive Device (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

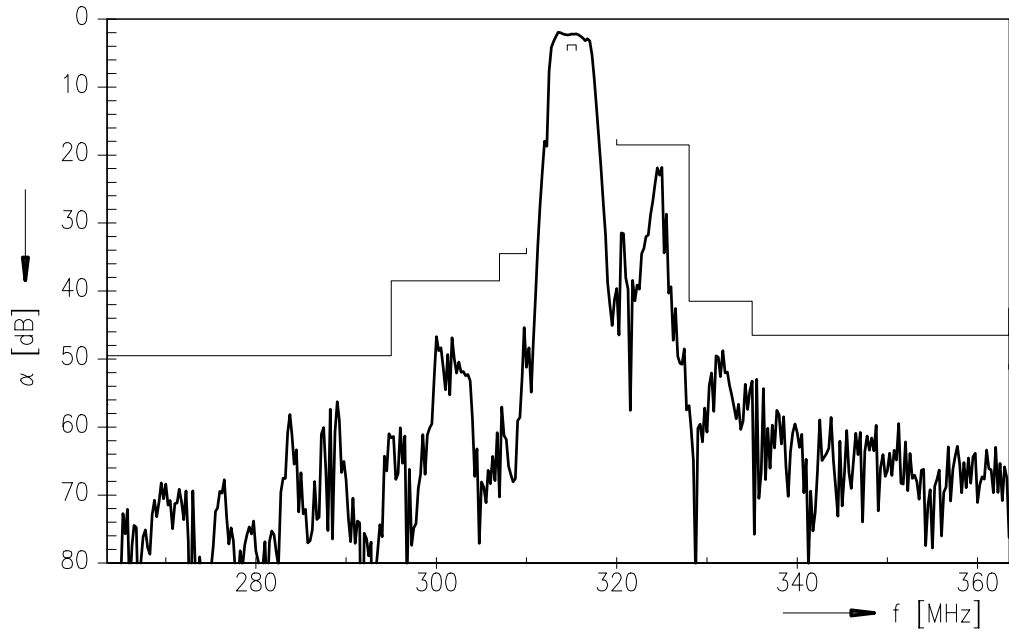
Operating temperature range: $T = -40^{\circ}\text{C}$ to 85°C
 Terminating source impedance: $Z_S = 50\ \Omega$
 Terminating load impedance: $Z_L = 50\ \Omega$

| | | min. | typ. | max. | |
|--|-----------------------|-------------|-------------|-------------|-------|
| Center frequency | f_c | — | 315,00 | — | MHz |
| Maximum insertion attenuation | α_{\max} | | | | |
| 314,50 ... 315,50 MHz | | — | 2,7 | 3,7 | dB |
| Amplitude ripple (p-p) | $\Delta\alpha$ | | | | |
| 314,80 ... 315,20 MHz | | — | 0,4 | 1,0 | dB |
| 314,50 ... 315,50 MHz | | — | 0,8 | 2,0 | dB |
| Relative attenuation (relative to α_{\max}) | α_{rel} | | | | |
| 10,00 ... 250,00 MHz | | 55 | 60 | — | dB |
| 250,00 ... 295,00 MHz | | 47 | 53 | — | dB |
| 295,00 ... 307,00 MHz | | 36 | 41 | — | dB |
| 307,00 ... 310,00 MHz | | 32 | 40 | — | dB |
| 320,00 ... 328,00 MHz | | 16 | 20 | — | dB |
| 328,00 ... 335,00 MHz | | 39 | 44 | — | dB |
| 335,00 ... 410,00 MHz | | 44 | 49 | — | dB |
| 410,00 ... 480,00 MHz | | 40 | 45 | — | dB |
| 480,00 ... 1000,00 MHz | | 49 | 54 | — | dB |
| Temperature coefficient of frequency | TC_f | — | -30 | — | ppm/K |

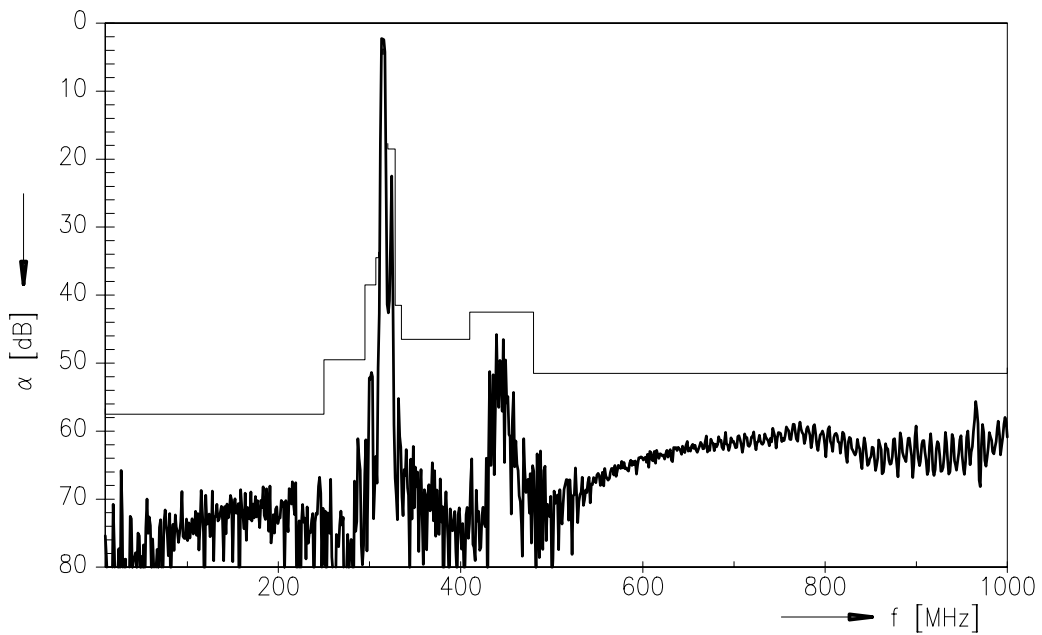


Data Sheet

Transfer function



Transfer function (wideband)





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