



SAW Components

Data Sheet B3583





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B3583

Low Loss Filter

345,00 MHz

Data Sheet

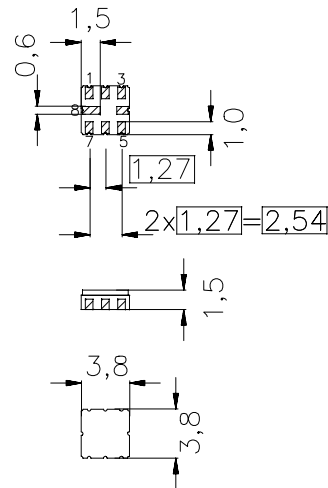
Features

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

Terminals

- Ni, gold plated

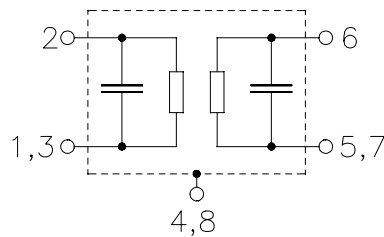
Ceramic package **QCC8B**



Dimensions in mm, approx. weight 0,07

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 |
|-------|-------------------|----------------------------------|----------------------|
| B3583 | B39351-B3583-Z810 | C61157-A7-A56 | F61074-V8070-Z000 |

Electrostatic Sensitive Device (ESD)

Maximum ratings

| | | | | |
|----------------------------|-----------|---------|-----|-----------------------|
| Operable temperature range | T_A | -20/+85 | °C | source impedance 50 Ω |
| Storage temperature range | T_{stg} | -45/+90 | °C | |
| DC voltage | V_{DC} | 0 | V | |
| Source power | P_S | 0 | dBm | |



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Characteristics

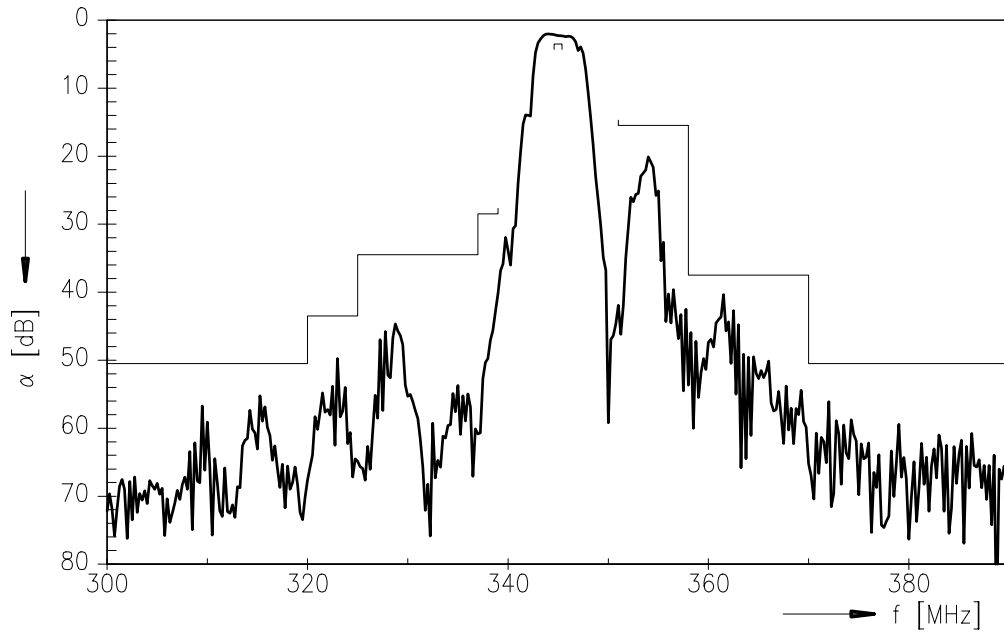
Reference temperature: $T_A = 25\text{ °C}$
 Terminating source impedance: $Z_S = 50\ \Omega$
 Terminating load impedance: $Z_L = 50\ \Omega$

| | | min. | typ. | max. | |
|---------------------------------------------------------------------|--------------------------------------|------|--------|------|-------|
| Center frequency | f_c | — | 345,00 | — | MHz |
| Maximum insertion attenuation | | | | | |
| | 344,60 ... 345,40 MHz α_{max} | — | 2,5 | 3,5 | dB |
| Amplitude ripple (p-p) | $\Delta\alpha$ | | | | |
| | 344,60 ... 345,40 MHz | — | 0,5 | 1,5 | dB |
| Relative attenuation (relative to α_{max}) | α_{rel} | | | | |
| | 10,00 ... 320,00 MHz | 48 | 53 | — | dB |
| | 320,00 ... 325,00 MHz | 41 | 47 | — | dB |
| | 325,00 ... 337,00 MHz | 32 | 39 | — | dB |
| | 337,00 ... 339,00 MHz | 26 | 31 | — | dB |
| | 351,00 ... 358,00 MHz | 13 | 16 | — | dB |
| | 358,00 ... 370,00 MHz | 35 | 39 | — | dB |
| | 370,00 ... 700,00 MHz | 47 | 52 | — | dB |
| | 700,00 ... 1000,00 MHz | 40 | 45 | — | dB |
| Temperature coefficient of frequency | TC_f | — | -30 | — | ppm/K |

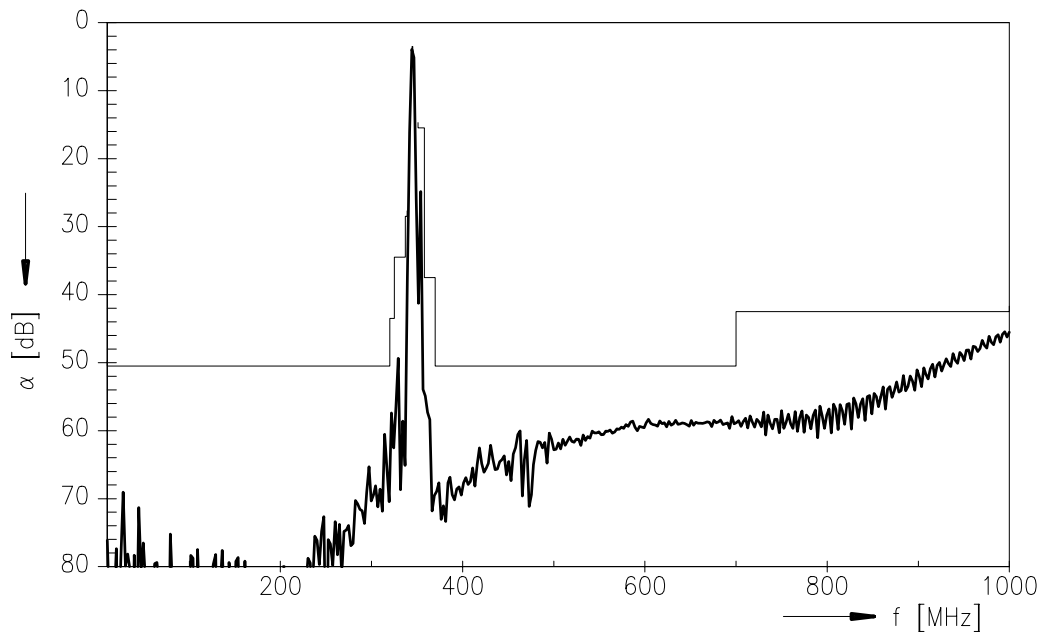


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Transfer function



Transfer function (wideband)





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