



SAW Components

Data Sheet B3588

Data Sheet

A large, stylized EPCOS logo is superimposed over a grayscale image of a globe. The logo is rendered in a light, glowing font, and the globe shows the outlines of continents.



SAW Components

B3588

Low Loss Filter

915,00 MHz

Preliminary Data

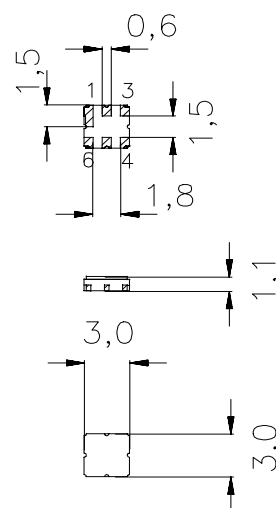
Features

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

Terminals

- Ni, gold-plated

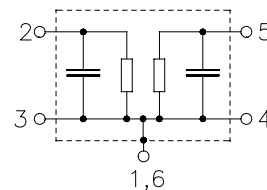
Ceramic package DCC6C



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 |
|-------|-------------------|----------------------------------|----------------------|
| LD77A | B39921-B3588-U410 | C61157-A7-A67 | F61074-V8088-Z000 |

Electrostatic Sensitive Device (ESD)

Maximum ratings

| | | | | |
|----------------------------|------------------|----------|--------------------|------------------------------|
| Operable temperature range | T | 0/+ 70 | $^{\circ}\text{C}$ | |
| Storage temperature range | T_{stg} | -40/+ 85 | $^{\circ}\text{C}$ | |
| DC voltage | V_{DC} | 0 | V | |
| Source power | P_{S} | 0 | dBm | source impedance 50 Ω |



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Characteristics

Operating temperature range: $T = 0 \dots 70 \text{ }^{\circ}\text{C}$
Terminating source impedance: $Z_S = 50 \text{ } \Omega$
Terminating load impedance: $Z_L = 50 \text{ } \Omega$

| | | min. | typ. | max. | |
|--|-----------------------|------|--------|------|-------|
| Center frequency | f_c | — | 915,00 | — | MHz |
| Maximum insertion attenuation | α_{\max} | | | | |
| 902,00 ... 928,00 MHz | | — | 2,9 | 3,3 | dB |
| Amplitude ripple | $\Delta\alpha$ | | | | |
| 902,00 ... 928,00 MHz | | — | 0,9 | 1,5 | dB |
| Relative attenuation (relative to α_{\max}) | α_{rel} | | | | |
| 10,00 ... 800,00 MHz | | 50,0 | 55,0 | — | dB |
| 800,00 ... 845,00 MHz | | 45,0 | 50,0 | — | dB |
| 845,00 ... 880,00 MHz | | 35,0 | 43,0 | — | dB |
| 947,00 ... 992,00 MHz | | 15,0 | 22,0 | — | dB |
| 992,00 ... 1020,00 MHz | | 35,0 | 45,0 | — | dB |
| 1020,00 ... 1200,00 MHz | | 45,0 | 50,0 | — | dB |
| Temperature coefficient of frequency | TC_f | — | -30 | — | ppm/K |



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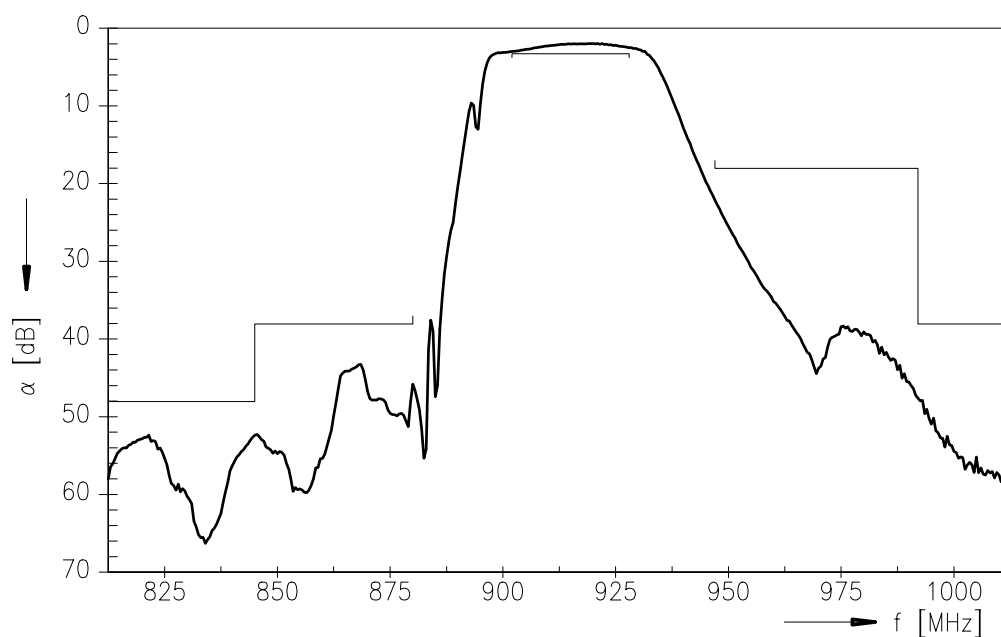
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Low Loss Filter

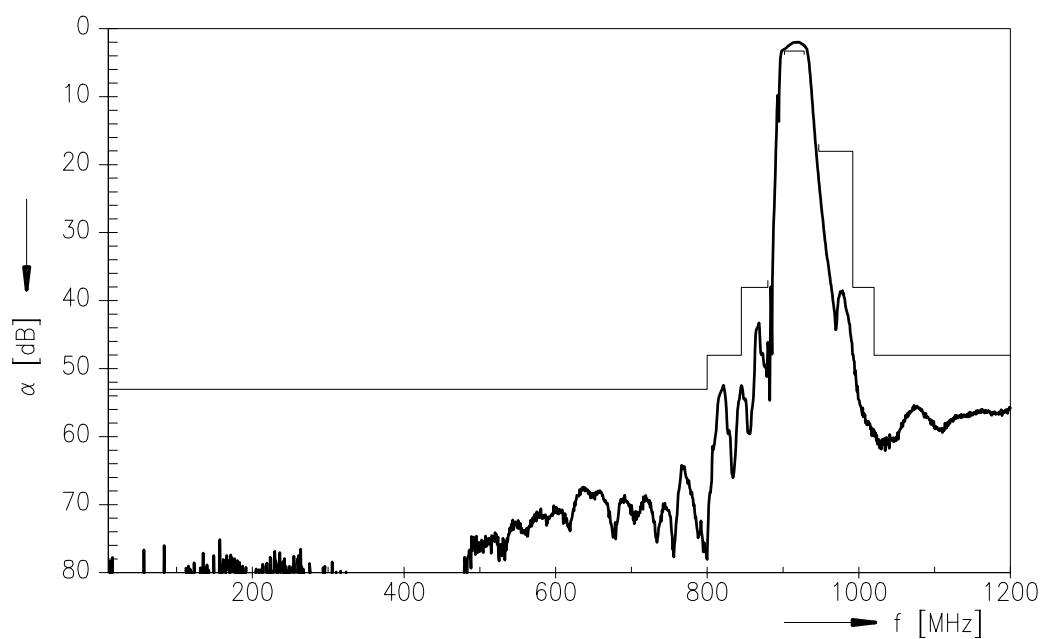
915,00 MHz

Preliminary Data

Transfer function



Transfer function (wideband)





| | |
|------------------------|-------------------|
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| Low Loss Filter | 915,00 MHz |

Preliminary Data

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This brochure replaces the previous edition.

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