



# SAW Components

Data Sheet B3588

Data Sheet

An abstract, grayscale graphic featuring a stylized, three-dimensional representation of the EPCOS logo. The letters "EPCOS" are rendered in a bold, sans-serif font, appearing to be part of a larger, curved structure that resembles a globe or a stylized wave. The background is dark and textured, with light reflecting off the surfaces of the logo.



## SAW Components

B3588

### Low Loss Filter

915,00 MHz

#### Preliminary Data

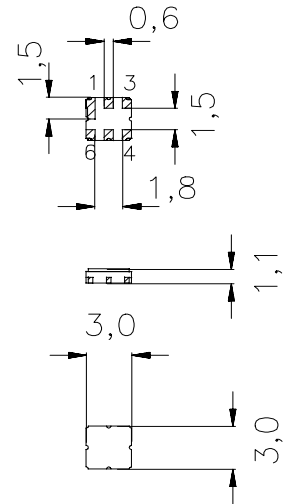
##### Features

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

##### Terminals

- Ni, gold-plated

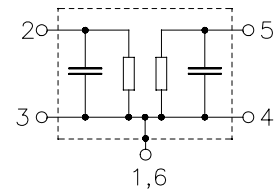
Ceramic package **DCC6C**



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	$T_{\text{stg}}$	-40/+ 85	$^{\circ}\text{C}$	
DC voltage	$V_{\text{DC}}$	0	V	
Source power	$P_{\text{S}}$	0	dBm	source impedance 50 $\Omega$



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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.	
<b>Center frequency</b>	$f_c$	—	915,00	—	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$	—	2,9	3,3	dB
	902,00 ... 928,00 MHz				
<b>Amplitude ripple</b>	$\Delta\alpha$	—	0,9	1,5	dB
	902,00 ... 928,00 MHz				
<b>Relative attenuation (relative to <math>\alpha_{\max}</math>)</b>	$\alpha_{\text{rel}}$				
	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
<b>Temperature coefficient of frequency</b>	$TC_f$	—	-30	—	ppm/K



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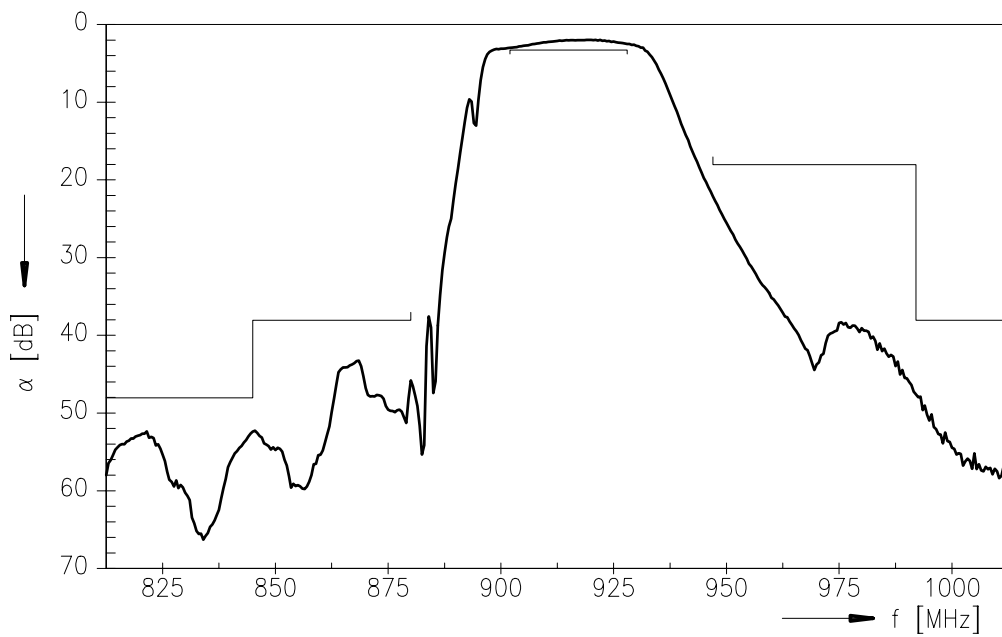
B3588

Low Loss Filter

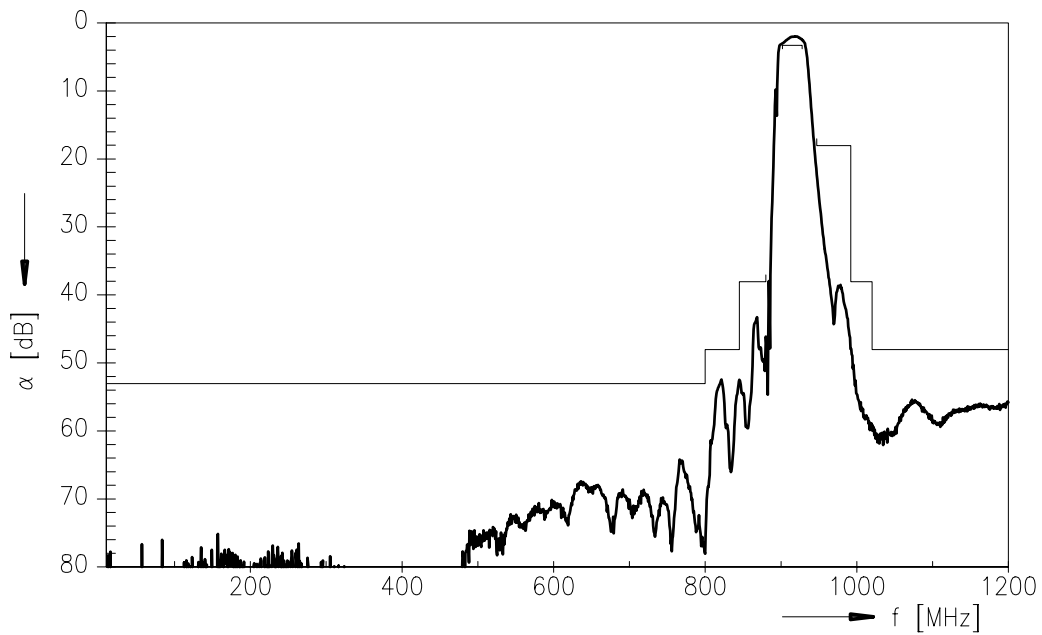
915,00 MHz

Preliminary Data

Transfer function



Transfer function (wideband)





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<b>Low Loss Filter</b>	<b>915,00 MHz</b>

Preliminary Data

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