



# SAW Components

Data Sheet B3586

Data Sheet

An abstract, grayscale graphic featuring a globe with a grid of latitude and longitude lines. Overlaid on the globe is a large, stylized, 3D-effect word "EPCOS" in a light gray color. The word is tilted and appears to be floating or attached to the globe's surface. The overall image has a soft, ethereal quality with some light flares and a dark, textured background.

EPCOS



## SAW Components

B3586

## Low Loss Filter

869,0 MHz

### Data Sheet

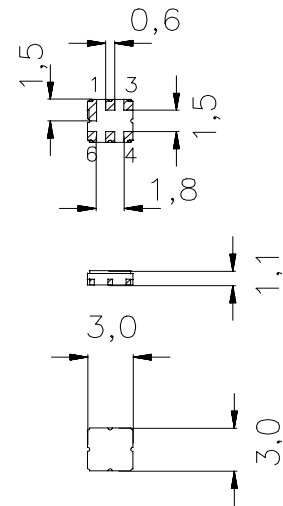
Ceramic package **DCC6C**

#### Features

- RF low-loss filter for remote control receivers
- Package for **Surface Mounted Technology (SMT)**
- Hermetically sealed ceramic package
- Matching network required for operation at 50  $\Omega$

#### Terminals

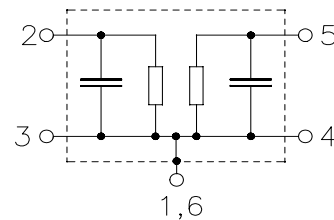
- Ni, gold plated



Dimensions in mm, approx. weight 0,1 g

#### Pin configuration

- 2 Input
- 5 Output
- 1,3,4,6 Ground



Type	Ordering code	Marking and Package according to	Packing according to
B3586	B39871-B3586-U410	C61157-A7-A56	F61074-V8070-Z000

Electrostatic Sensitive Device (ESD)

#### Maximum ratings

Operable temperature range	$T_A$	-40/+85	$^{\circ}\text{C}$	
Storage temperature range	$T_{\text{stg}}$	-45/+90	$^{\circ}\text{C}$	
DC voltage	$V_{\text{DC}}$	0	V	
Source power	$P_S$	13	dBm	within passband (source 50 $\Omega$ )



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#### Characteristics

Reference temperature:  $T_A = -40...+85\text{ °C}$

Terminating source impedance:  $Z_S = 50\Omega$

Terminating load impedance:  $Z_L = 50\Omega$

		min.	typ.	max.	
<b>Center frequency</b>	$f_c$	—	869,0	—	MHz
<b>Maximum insertion attenuation</b>					
868,0 ... 870,0 MHz	$\alpha_{\max}$	—	5,5	7,0	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$				
868,0 ... 870,0 MHz		—	1,5	2,5	dB
<b>Relative attenuation (relative to <math>\alpha_{\max}</math>)</b>	$\alpha_{\text{rel}}$				
10,00 ... 846,60 MHz		35	42	—	dB
846,60 ... 848,60 MHz		38	53	—	dB
854,40 ... 856,40 MHz		38	44	—	dB
897,50 ... 1000,00 MHz		30	35	—	dB
<b>Temperature coefficient of frequency</b>	$TC_f$	—	-30	—	ppm/K



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