



# SAW Components

Data Sheet B3586

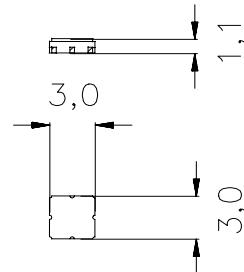
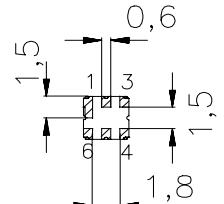
Data Sheet

**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**

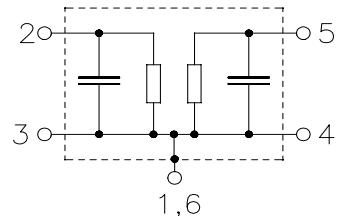
- Ni, gold plated



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 $50 \Omega$ )

**SAW Components****B3586****Low Loss Filter****869,0 MHz****Data Sheet****Characteristics**

Reference temperature:  $T_A = -40...+85$  °C  
Terminating source impedance:  $Z_S = 50\Omega$   
Terminating load impedance:  $Z_L = 50\Omega$

			<b>min.</b>	<b>typ.</b>	<b>max.</b>	
<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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**P.O. Box 80 17 09, D-81617 München**

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