



Siemens Matsushita Components

# SAW Components

## Low Loss Filter for Mobile Communication

**B4629**  
**931,00 MHz**

### Data Sheet

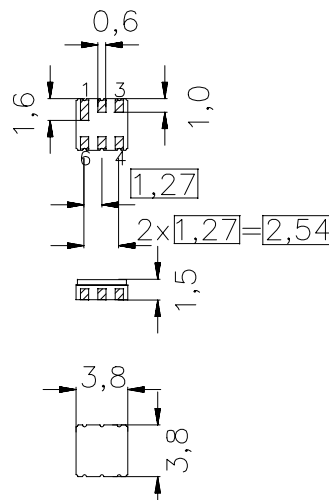
#### Features

- Low loss RF filter for cordless telephone CT1+
- High image frequency suppression
- No matching network required for operation at 50  $\Omega$
- Package for **S**urface **M**ounted **T**echnology (**SMT**)

#### Terminals

- Ni, gold-plated

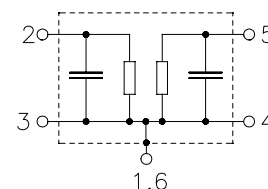
Ceramic package DCC6



Dimensions in mm, approx. weight 0,07 g

#### Pin configuration

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



Type	Ordering code	Marking and Package according to	Packing according to
B4629	B39931-B4629-Z610	C61157-A7-A41	F61074-V8030-Z000

Electrostatic Sensitive Device (ESD)

#### Maximum ratings

Operable temperature range	$T$	0/+ 55	$^{\circ}\text{C}$	
Storage temperature range	$T_{\text{stg}}$	- 40/+ 85	$^{\circ}\text{C}$	
DC voltage	$V_{\text{DC}}$	0	V	
Source power	$P_{\text{S}}$	10	dBm	source impedance 50 $\Omega$



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#### Characteristics

Operating temperature range:  $T = 0\text{ }^{\circ}\text{C}$  to  $55\text{ }^{\circ}\text{C}$   
Terminating source impedance:  $Z_S = 50\text{ }\Omega$   
Terminating load impedance:  $Z_L = 50\text{ }\Omega$

		min.	typ.	max.	
<b>Center frequency</b>	$f_c$	-	931,00	-	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{\max}$				
930,00 ... 932,00 MHz		-	3,0	4,0	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$				
930,00 ... 932,00 MHz		-	0,2	1,2	dB
<b>Relative attenuation (relative to <math>\alpha_{\max}</math>)</b>	$\alpha_{\text{rel}}$				
885,00 ... 909,00 MHz		35,0	45,0	-	dB
951,00 ... 967,00 MHz		10,0	50,0	-	dB
967,00 ... 975,00 MHz		35,0	50,0	-	dB
<b>Temperature coefficient of frequency</b>	$TC_f$	-	-30	-	ppm/K



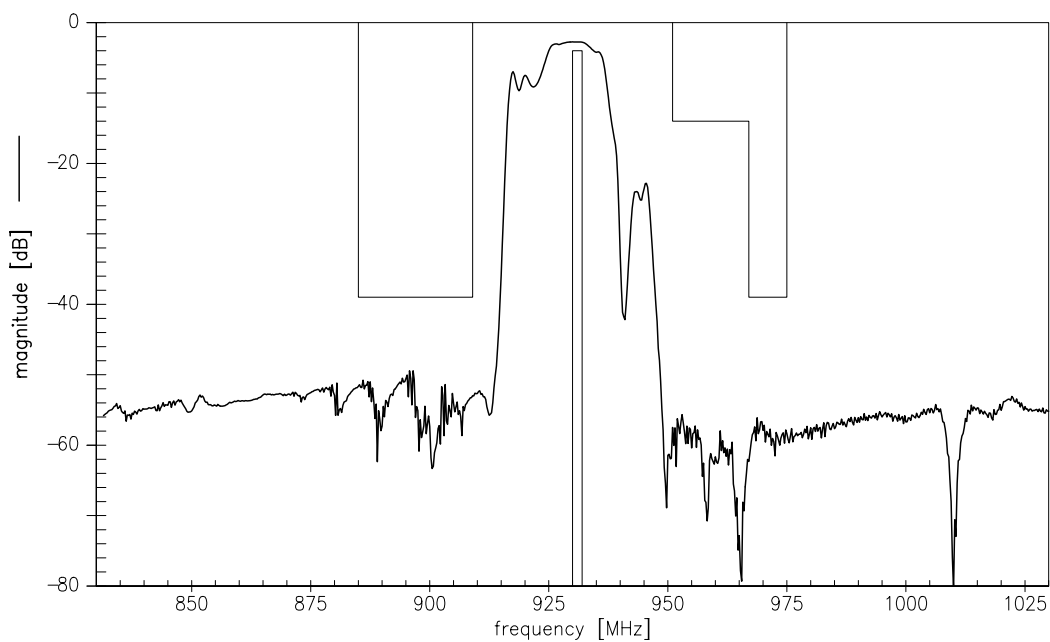
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#### Transfer function



#### Transfer function (wideband)

