



**THE DATASHEET OF  
B39961B4649Z610**





Siemens Matsushita Components

# SAW Components Low Loss Filter for Mobile Communication

**B4649**  
**959,50 MHz**

## Data Sheet

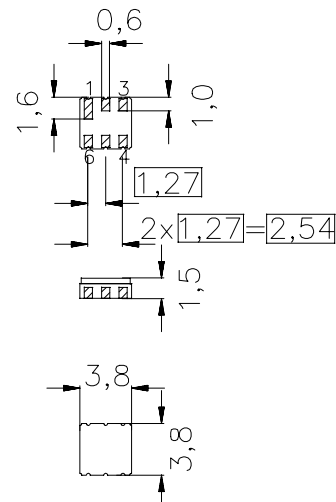
Ceramic package DCC6

### Features

- Low loss RF filter for cordless telephone CT1
- High image frequency suppression
- No matching network required for operation at 50 Ω
- Package for **Surface Mounted Technology (SMT)**

### Terminals

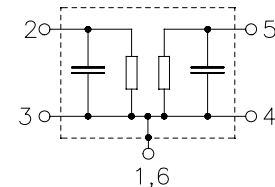
- Ni, gold-plated



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
B4649	B39961-B4649-Z610	C61157-A7-A41	F61074-V8030-Z000

Electrostatic Sensitive Device (ESD)

### Maximum ratings

Operable temperature range	$T$	0/+ 55	°C	
Storage temperature range	$T_{stg}$	- 40/+ 85	°C	
DC voltage	$V_{DC}$	0	V	
Source power	$P_S$	10	dBm	source impedance 50 Ω



**SAW Components**  
**Low Loss Filter for Mobile Communication**

**B4649**  
**959,50 MHz**

Data Sheet

**Characteristics**

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

		min.	typ.	max.	
<b>Center frequency</b>	$f_c$	-	959,50	-	MHz
<b>Maximum insertion attenuation</b>	$\alpha_{max}$				
	959,00 ... 960,00 MHz	-	2,8	4,0	dB
<b>Amplitude ripple (p-p)</b>	$\Delta\alpha$				
	959,00 ... 960,00 MHz	-	0,3	2,0	dB
<b>Relative attenuation (relative to <math>\alpha_{max}</math>)</b>	$\alpha_{rel}$				
	914,00 ... 937,00 MHz	35,0	45,0	-	dB
	980,00 ... 996,00 MHz	10,0	50,0	-	dB
	996,00 ... 1003,00 MHz	35,0	50,0	-	dB
<b>Temperature coefficient of frequency</b>	$TC_f$	-	-30	-	ppm/K

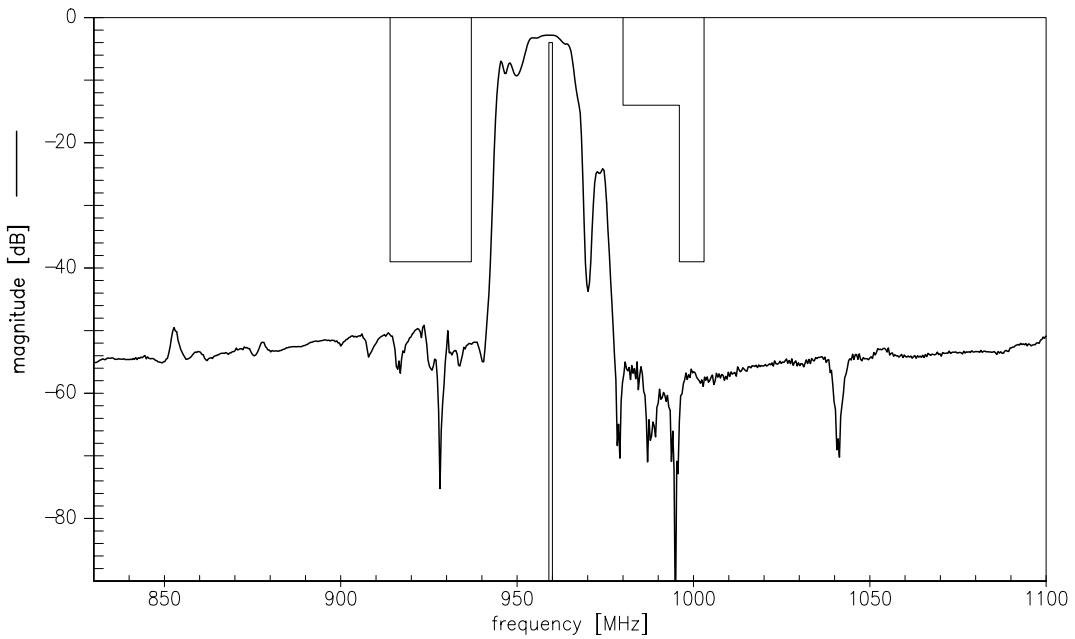


**SAW Components**  
**Low Loss Filter for Mobile Communication**

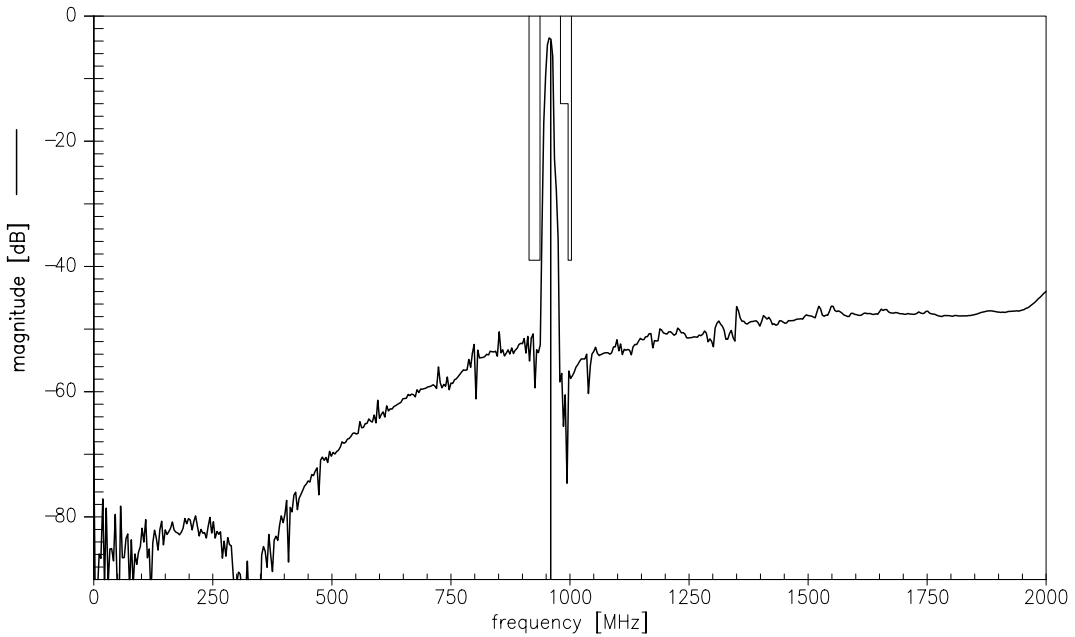
**B4649**  
**959,50 MHz**

**Data Sheet**

**Transfer function**





**Transfer function (wideband)**



## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View B39961B4649Z610 on WIN SOURCE](#)
-  [Qualcomm Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management