



Siemens Matsushita Components

SAW Components Low Loss Filter for Mobile Communication

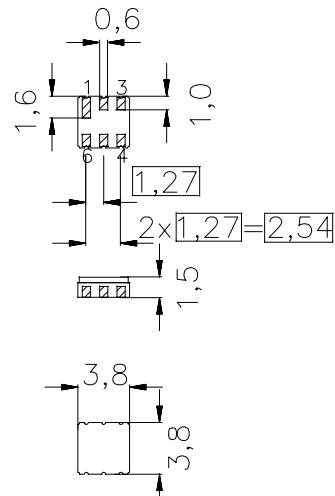
B4649
959,50 MHz

Data Sheet

Features

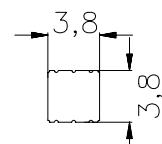
- Low loss RF filter for cordless telephone CT1
- High image frequency suppression
- No matching network required for operation at 50 Ω
- Package for Surface Mounted Technology (SMT)

Ceramic package DCC6



Terminals

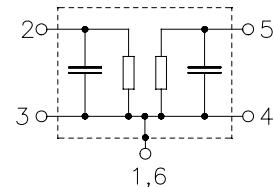
- Ni, gold-plated



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



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Characteristics

Operating temperature range: $T = 0 \text{ }^{\circ}\text{C} \text{ to } 55 \text{ }^{\circ}\text{C}$

Terminating source impedance: $Z_S = 50 \Omega$

Terminating load impedance: $Z_L = 50 \Omega$

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



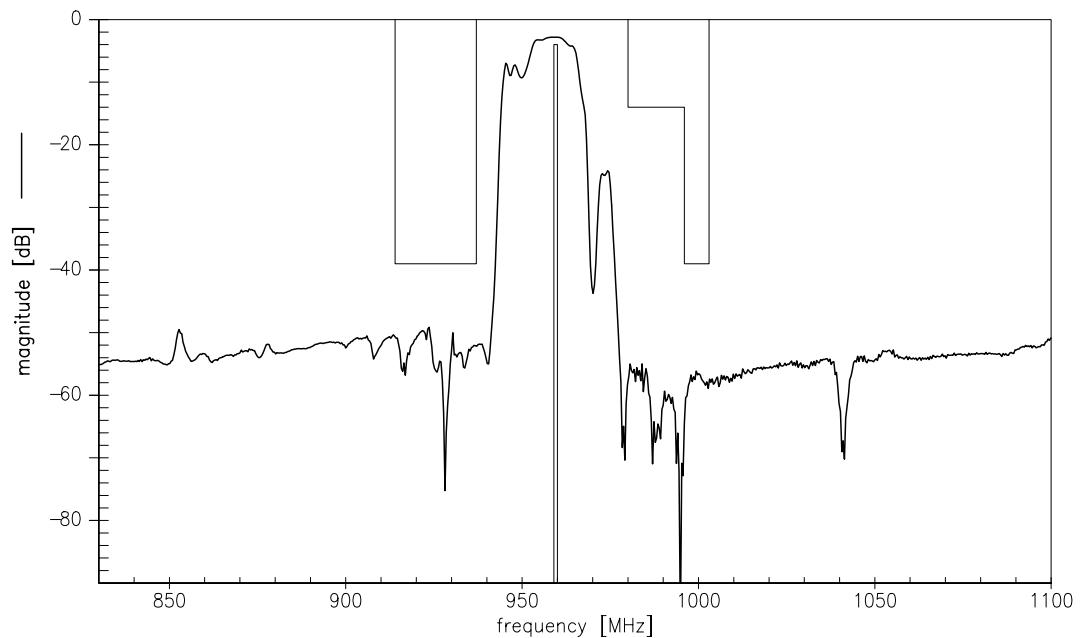
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Transfer function



Transfer function (wideband)

