



Siemens Matsushita Components

SAW Components Low Loss Filter for Mobile Communication

B4648
914,50 MHz

Data Sheet

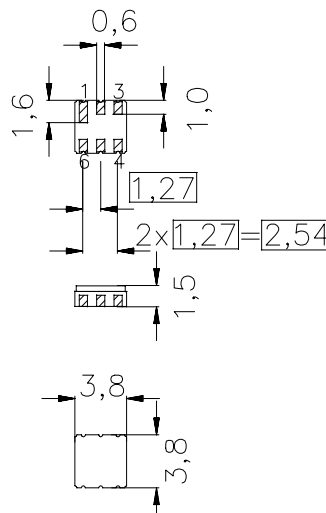
Features

- 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)**

Terminals

- Ni, gold-plated

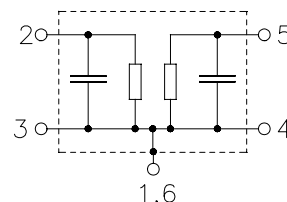
Ceramic package DCC6



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
B4648	B39911-B4648-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: $T = 0\text{ }^{\circ}\text{C}$ 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	-	914,50	-	MHz
Maximum insertion attenuation	α_{max}				
	914,00 ... 915,00 MHz	-	2,7	4,0	dB
Amplitude ripple (p-p)	$\Delta\alpha$				
	914,00 ... 915,00 MHz	-	0,2	1,2	dB
Relative attenuation (relative to α_{max})	α_{rel}				
	871,00 ... 879,00 MHz	35,0	45,0	-	dB
	879,00 ... 894,00 MHz	10,0	45,0	-	dB
	937,00 ... 960,00 MHz	35,0	50,0	-	dB
Temperature coefficient of frequency	TC_f	-	-30	-	ppm/K



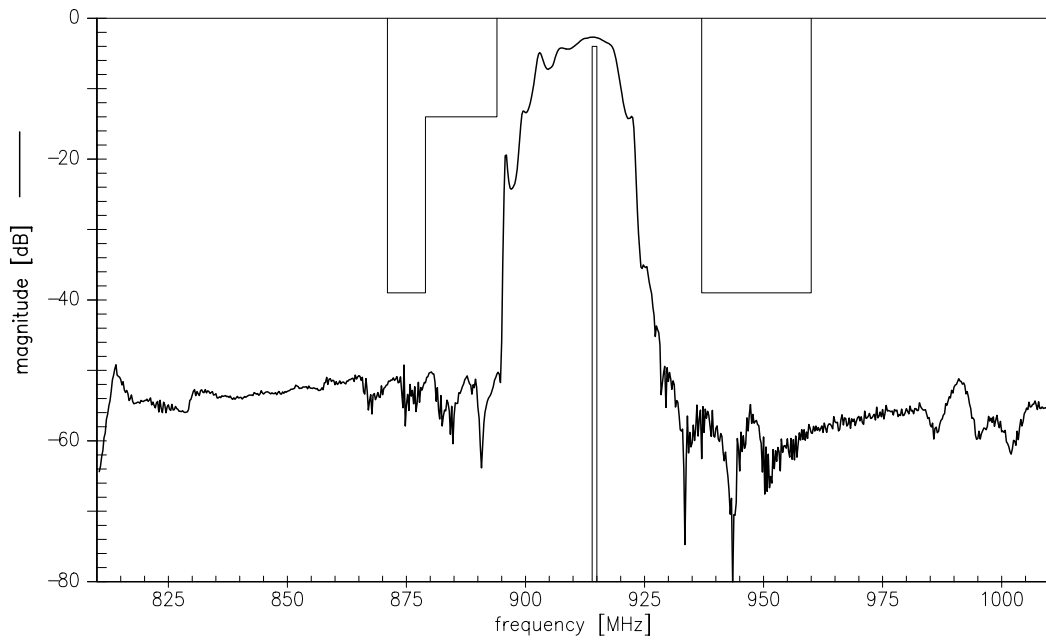
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Transfer function



Transfer function (wideband)

