



Siemens Matsushita Components

SAW Components Low Loss Filter for Mobile Communication

B4649
959,50 MHz

Data Sheet

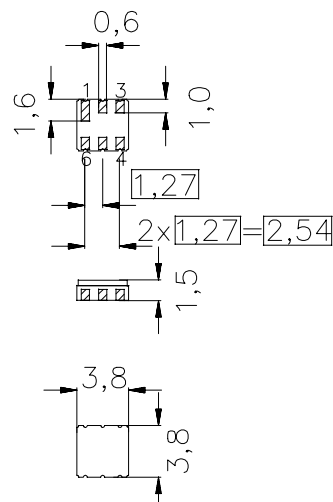
Ceramic package DCC6

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

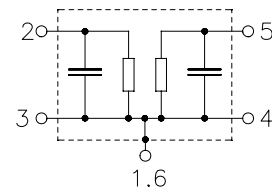
- Ni, gold-plated



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 |



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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 | - | 959,50 | - | MHz |
| Maximum insertion attenuation | α_{max} | | | | |
| 959,00 ... 960,00 MHz | | - | 2,8 | 4,0 | dB |
| Amplitude ripple (p-p) | $\Delta\alpha$ | | | | |
| 959,00 ... 960,00 MHz | | - | 0,3 | 2,0 | dB |
| Relative attenuation (relative to α_{max}) | α_{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 |
| Temperature coefficient of frequency | TC_f | - | -30 | - | ppm/K |

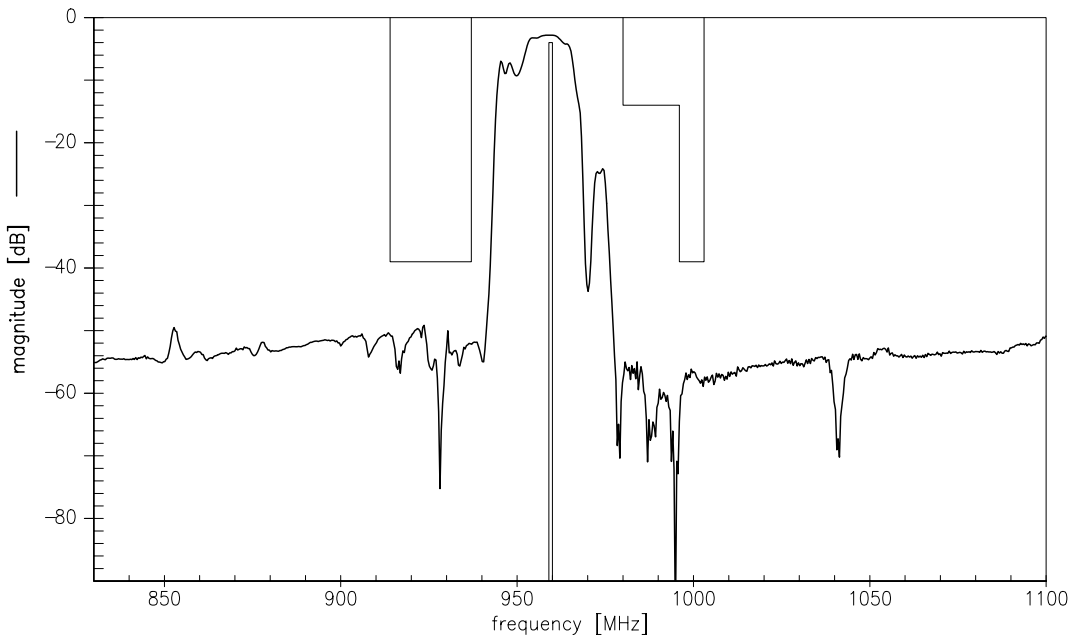


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Transfer function



Transfer function (wideband)

