



RF Filters for Cordless Phones

Series/Type: **B4039**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39431B4039Z610		2004-05-19	2004-09-30	2004-12-31

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at www.epcos.com/sales.



Withdrawn Products

The following products presented in this data sheet are being withdrawn:

B39431B4039Z610

Date of withdrawal: 19-MAY-04

Deadline for last orders: 30-SEP-04

Last shipments: 31-DEC-04

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of the sales offices are given on the Internet at www.epcos.com/sales.



Siemens Matsushita Components

SAW Components Low Loss Filter for Mobile Communication

B4039
433,91 MHz

Data Sheet

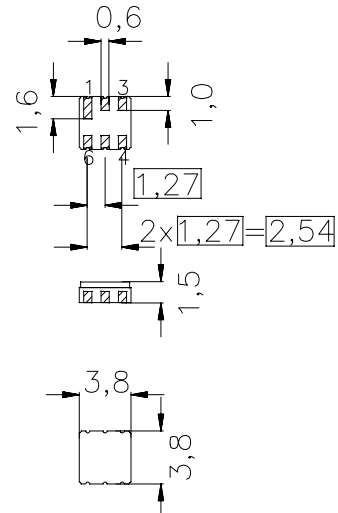
Features

- Low loss RF filter for Europe family radio system
- Low amplitude ripple
- High image frequency suppression
- Package for **Surface Mounted Technology (SMT)**
- No matching network required for operation at 50 Ω

Terminals

- Ni, gold-plated

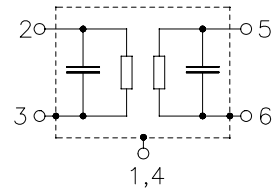
Ceramic package DCC6



Dimensions in mm, approx. weight 0,13 g

Pin configuration

- | | |
|------------|----------------|
| 2 | Input |
| 5 | Output |
| 1, 3, 4, 6 | To be grounded |



Type	Ordering code	Marking and Package according to	Packing according to
B4039	B39431-B4039-Z610	C61157-A7-A41	F61074-V8030-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	-20 / +60	°C
Storage temperature range	T_{stg}	-40 / +85	°C
DC voltage	V_{DC}	0	V
Source power	P_s	10	dBm



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Characteristics

Operating temperature range: $T = -20$ to $+60$ °C
 Terminating source impedance: $Z_S = 50 \Omega$
 Terminating load impedance: $Z_L = 50 \Omega$

		min.	typ.	max.	
Center frequency	f_c	—	433,91	—	MHz
Maximum insertion attenuation 432,975 ... 434,850 MHz	α_{max}	—	2,2	2,8	dB
Amplitude ripple (p-p) 432,975 ... 434,850 MHz	$\Delta\alpha$	—	0,3	1,0	dB
Attenuation 330,00 ... 389,00 MHz	α_{min}	52,0	60,0	—	dB
389,00 ... 392,00 MHz		57,0	70,0	—	dB
392,00 ... 423,90 MHz		11,0	13,0	—	dB
495,00 ... 530,00 MHz		52,0	60,0	—	dB
Impedance at 433,91 MHz Input: $Z_{IN} = R_{IN} \parallel C_{IN}$ Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$		—	50 \parallel 0,5	—	$\Omega \parallel \mu F$ $\Omega \parallel \mu F$
Temperature coefficient of frequency	TC_f	—	-70	—	ppm/K

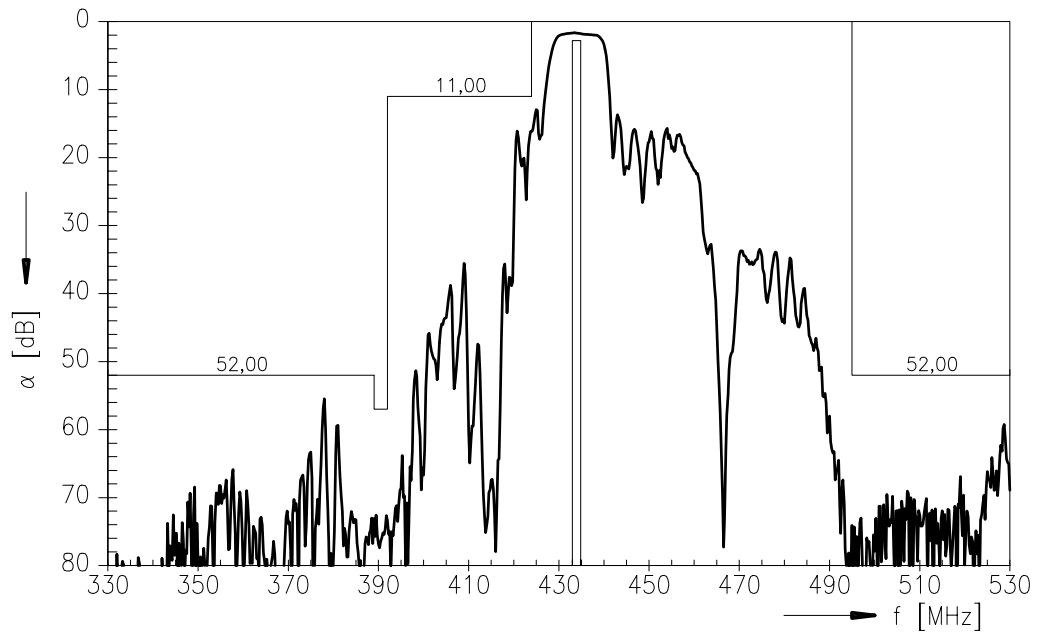


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Transfer function



Transfer function (wideband)

