



Siemens Matsushita Components

SAW Components

Low Loss Filter for Mobile Communication

B7605
903,65 MHz

Data Sheet

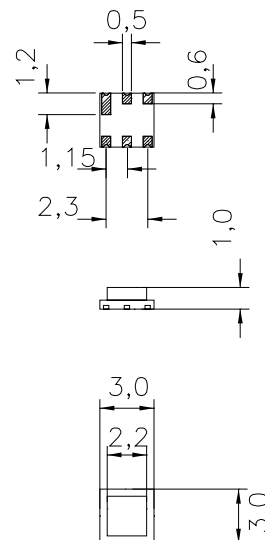
Features

- Low loss RF filter for cordless telephone CT ISM
- Low amplitude ripple
- Usable passband 3 MHz
- High image frequency suppression
- No matching network required for operation at 50 Ω
- Package for **Surface Mounted Technology (SMT)**

Terminals

- Ni, gold-plated

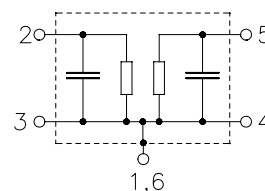
Chip sized SAW package



Dimensions in mm, approx. weight 0,034 g

Pin configuration

2	Input
5	Output
1, 3, 4, 6	Ground



Type	Ordering code	Marking and Package according to	Packing according to
B7605	B39901-B7605-A410	C61157-A7-A60	F61074-V8085-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	0 /+ 40	$^{\circ}\text{C}$	
Storage temperature range	T_{stg}	- 40 /+ 85	$^{\circ}\text{C}$	
DC voltage	V_{DC}	0	V	
Source power	P_{s}	0	dBm	source impedance 50 Ω



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Characteristics

Operating temperature range: $T = 0\text{ }^{\circ}\text{C}$ to $+40\text{ }^{\circ}\text{C}$
Terminating source impedance: $Z_S = 50\text{ }\Omega$
Terminating load impedance: $Z_L = 50\text{ }\Omega$

		min.	typ.	max.	
Center frequency	f_c	—	903,65	—	MHz
Maximum insertion attenuation	α_{\max}	—	4,0	5,8	dB
	902,15 ... 905,15 MHz				
Amplitude ripple (p-p)	$\Delta\alpha$	—	0,5	2,0	dB
	902,15 ... 905,15 MHz				
Relative attenuation (relative to α_{\max})	α_{rel}				
	0,00 ... 100,00 MHz	60,0	64,0	—	dB
	100,00 ... 500,00 MHz	50,0	55,0	—	dB
	500,00 ... 790,00 MHz	37,0	44,0	—	dB
	790,00 ... 885,00 MHz	34,0	39,0	—	dB
	914,00 ... 917,00 MHz	5,0	45,0	—	dB
	917,00 ... 923,10 MHz	10,0	42,0	—	dB
	923,10 ... 995,00 MHz	37,0	41,0	—	dB
	995,00 ... 2000,00 MHz	25,0	29,0	—	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K



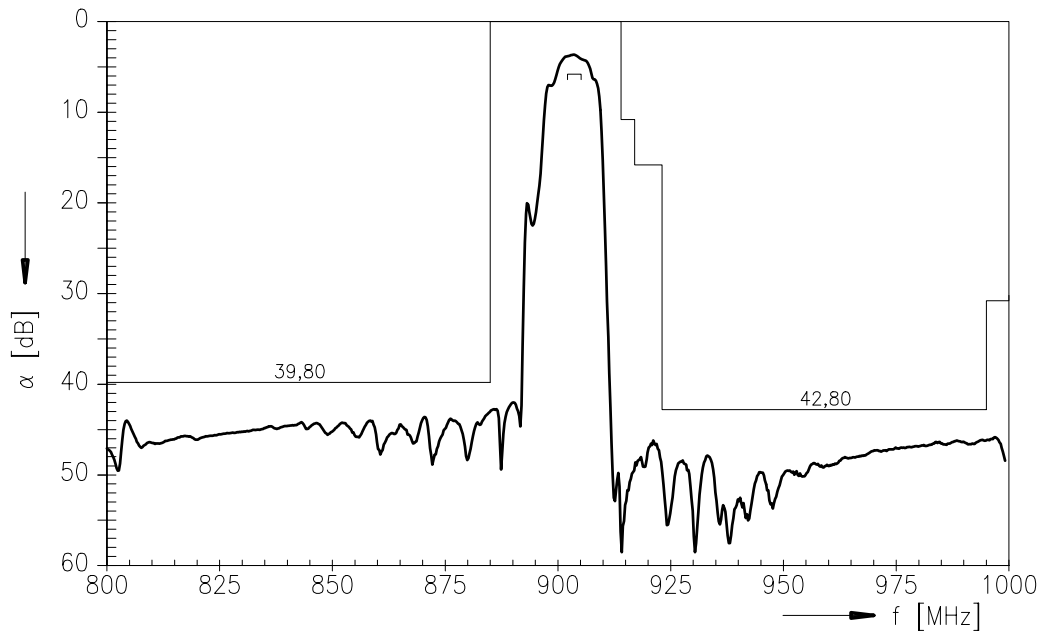
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Transfer function



Transfer function (wideband)

