



SAW Components

Data Sheet B7608





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B7608

Low-Loss Filter for Mobile Communication

926,25 MHz

Data Sheet



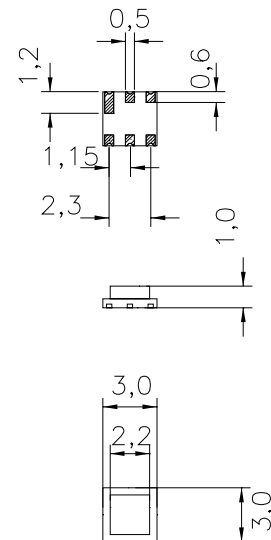
Chip sized SAW package

Features

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

Terminals

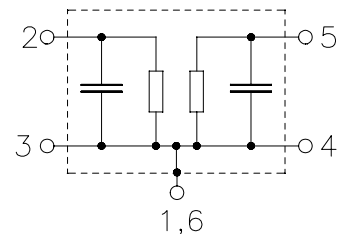
- Gold-plated Ni



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
B7608	B39931-B7608-A610	C61157-A7-A62	F61074-V8086-Z000

Electrostatic Sensitive Device (ESD)

Maximum ratings

Operable temperature range	T	0 /+ 40	°C	source impedance 50 Ω
Storage temperature range	T_{stg}	- 40 /+ 85	°C	
DC voltage	V_{DC}	0	V	
Input power max.	P_{IN}	0	dBm	



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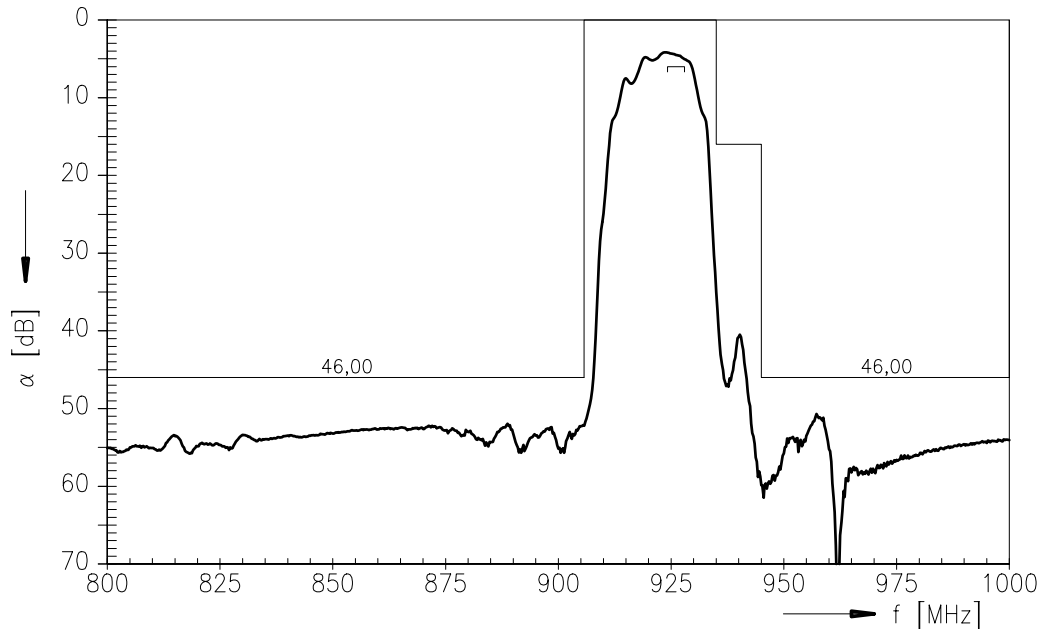
Characteristics

Operating temperature range: $T = 25^{\circ}\text{C} \pm 2^{\circ}\text{C}$
 Terminating source impedance: $Z_S = 50 \Omega$
 Terminating load impedance: $Z_L = 50 \Omega$

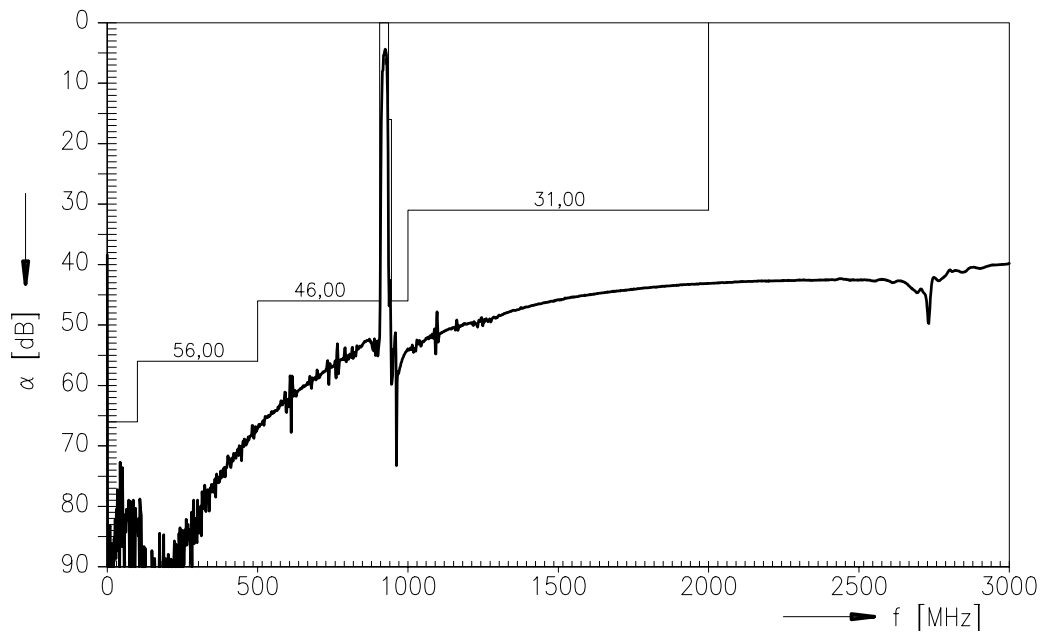
		min.	typ.	max.	
Center frequency	f_c	—	926,25	—	MHz
Maximum insertion attenuation	α_{\max}	—	4,5	6,0	dB
924,20 ... 928,00 MHz					
Amplitude ripple in any 2,7 MHz span (p-p)	$\Delta\alpha$	—	0,5	2,0	dB
924,20 ... 928,00 MHz					
Relative attenuation (relative to α_{\max})	α_{rel}				
0,00 ... 100,00 MHz		60	70	—	dB
100,00 ... 500,00 MHz		50	60	—	dB
500,00 ... 905,70 MHz		40	44	—	dB
935,00 ... 945,00 MHz		10	32	—	dB
945,00 ... 1000,00 MHz		40	44	—	dB
1000,00 ... 2000,00 MHz		25	32	—	dB
Temperature coefficient of frequency	TC_f	—	-30	—	ppm/K



Transfer function:



Transfer function (wide band):





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