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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





SAW Components

Data Sheet M 4952 M

Data Sheet

A large, stylized, 3D-rendered version of the EPCOS logo, featuring the word "EPCOS" in a bold, sans-serif font, set against a dark, textured background with a glowing effect.



SAW Components

M 4952 M

Vestigial Sideband Filter

45,75 MHz

Data Sheet

Standard

Plastic package **SIP5K**

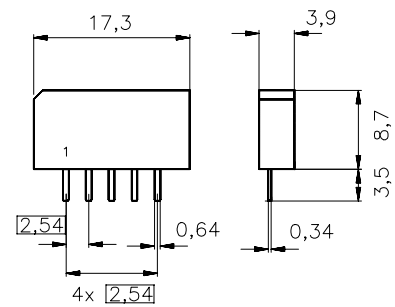
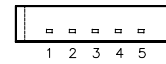
- M/N

Features

- IF filter for cable converters
- Full transmission of vestigial sideband and sound carrier
- Constant group delay

Terminals

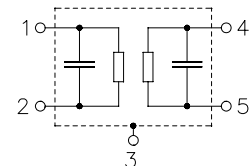
- Tinned CuFe alloy



Dimensions in mm, approx. weight 1,0 g

Pin configuration

- 1 Input
- 2 Input - ground
- 3 Chip carrier - ground
- 4 Output
- 5 Output



Type	Ordering code	Marking and package according to	Packing according to
M 4952 M	B39458-M4952-M100	C61157-A1-A15	F61074-V8067-Z000

Maximum ratings

Operable temperature range	T_A	-25/+65	°C	
Storage temperature range	T_{stg}	-40/+85	°C	
DC voltage	V_{DC}	5	V	between any terminals
AC voltage	V_{pp}	10	V	between any terminals


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Characteristics

Reference temperature: $T_A = 25 (45) \text{ }^\circ\text{C}$
 Terminating source impedance: $Z_S = 50 \text{ } \Omega$
 Terminating load impedance: $Z_L = 2 \text{ k}\Omega \parallel 3 \text{ pF}$

		min.	typ.	max.	
Insertion attenuation					
	α				
Reference level for the following data	43,56 (43,50) MHz	13,3	14,8	16,3	dB
Relative attenuation					
	α_{rel}				
Picture carrier	45,81 (45,75) MHz	-1,1	-0,1	0,9	dB
	46,56 (46,50) MHz	4,2	5,7	7,2	dB
Color carrier	42,23 (42,17) MHz	-0,9	0,1	1,1	dB
Sound carrier	41,31 (41,25) MHz	-1,4	-0,4	0,6	dB
Adjacent picture carrier	39,81 (39,75) MHz	36,0	53,0	—	dB
Adjacent sound carrier	47,31 (47,25) MHz	30,0	35,0	—	dB
	51,31 (51,25) MHz	40,0	54,0	—	dB
Lower sidelobe					
	35,06 ... 39,81 (35,00 ... 39,75) MHz	35,0	41,0	—	dB
Upper sidelobe					
	47,91 ... 55,06 (47,85 ... 55,00) MHz	38,0	45,0	—	dB
Reflected wave signal suppression					
1,2 μs ... 6,0 μs after main pulse (test pulse 250 ns, carrier frequency 43,56 MHz)		42,0	54,0	—	dB
Feedthrough signal suppression					
1,2 μs ... 1,1 μs before main pulse (test pulse 250 ns, carrier frequency 43,56 MHz)		50,0	56,0	—	dB
Group delay ripple (p-p)					
	$\Delta\tau$				
	40,56 ... 46,56 (40,50 ... 46,50) MHz	—	50	—	ns
Impedance at 43,56 MHz					
Input: $Z_{IN} = R_{IN} \parallel C_{IN}$		—	1,4 \parallel 12,7	—	k Ω \parallel pF
Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$		—	1,2 \parallel 4,4	—	k Ω \parallel pF
Temperature coefficient of frequency					
	TC_f	—	-72	—	ppm/K



SAW Components

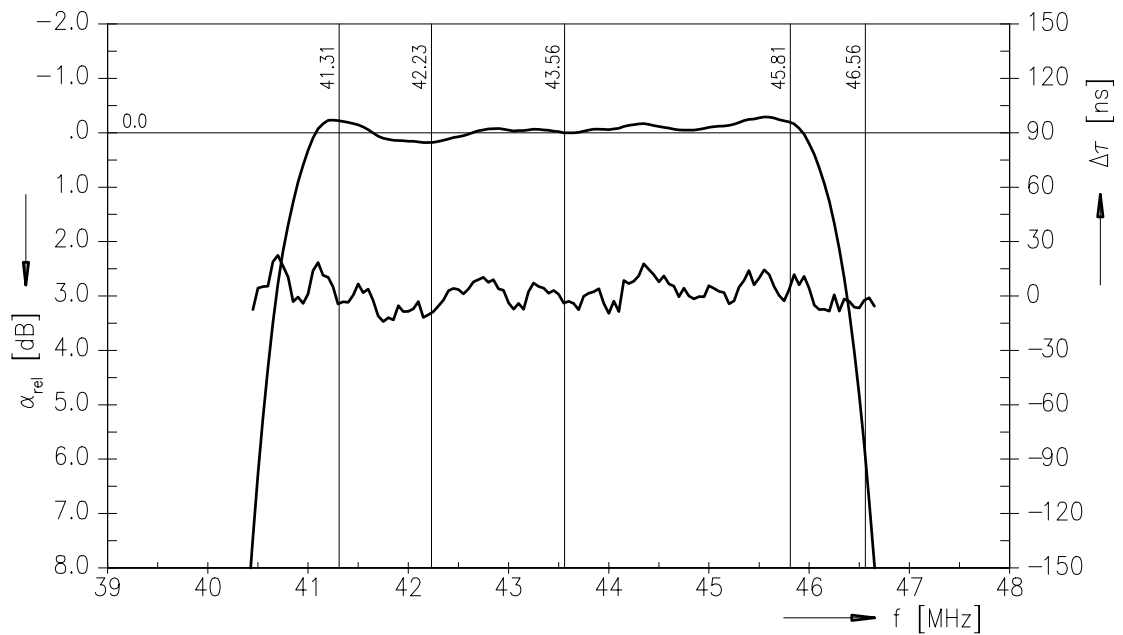
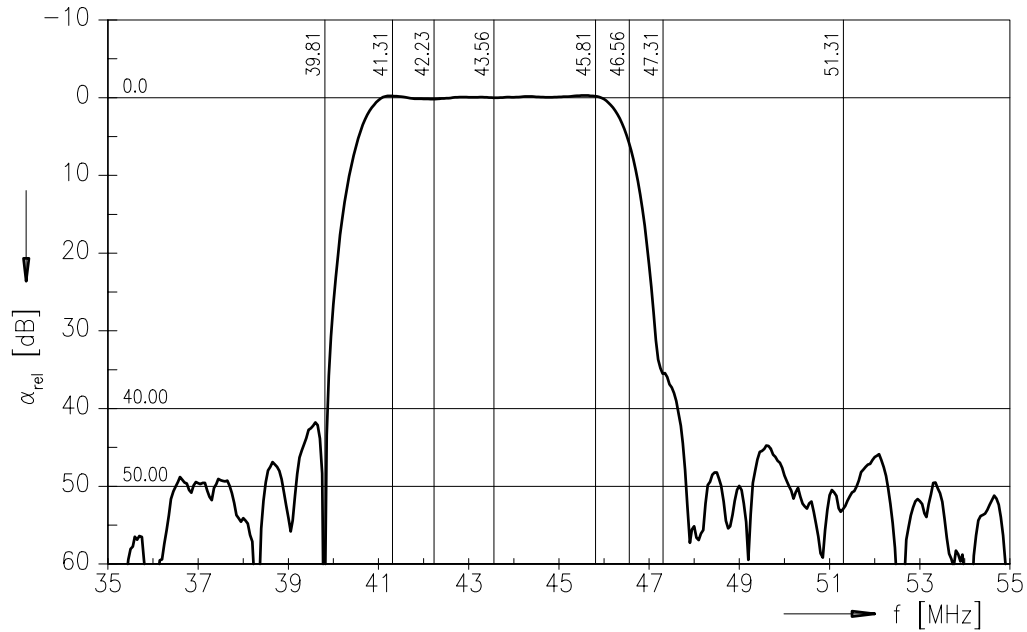
M 4952 M

Vestigial Sideband Filter

45,75 MHz

Data Sheet

Frequency response





SAW Components

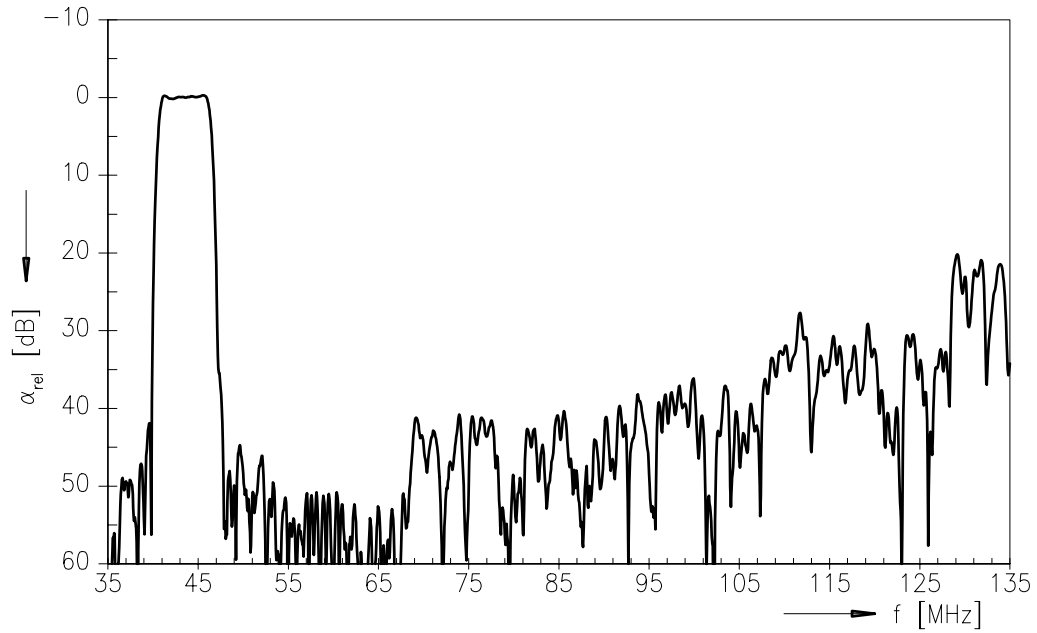
M 4952 M

Vestigial Sideband Filter

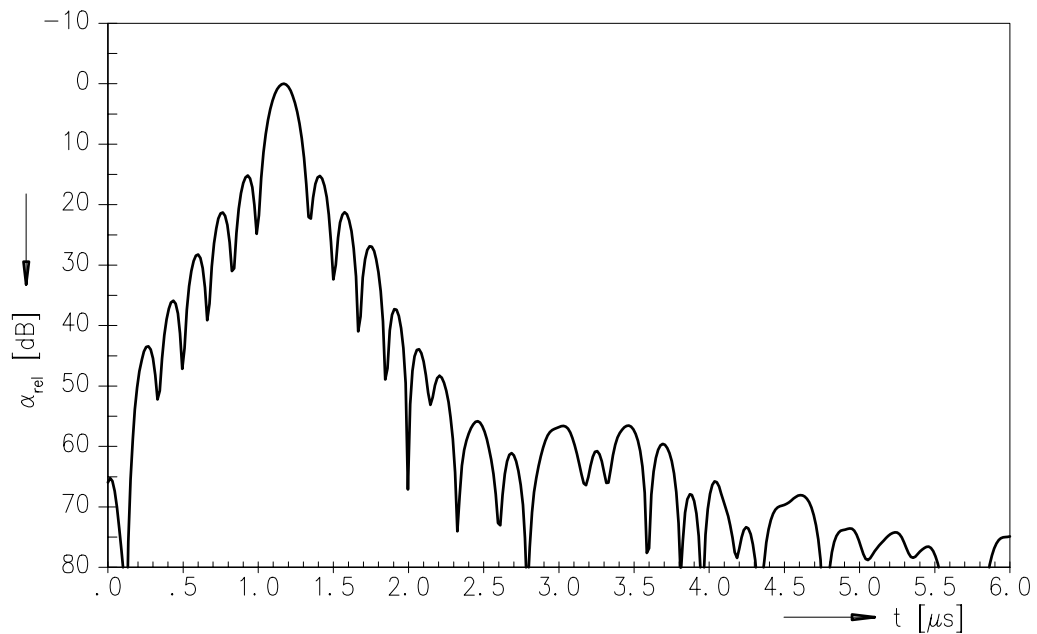
45,75 MHz

Data Sheet

Frequency response



Time domain response





SAW Components	M 4952 M
Vestigial Sideband Filter	45,75 MHz

Data Sheet

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