



SAW Components

Data Sheet K 9352 M

Data Sheet

EPCOS



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K 9352 M

IF Filter for Audio Applications

38,00 MHz

Data Sheet

Standard

- B/G
- D/K
- I
- M/N

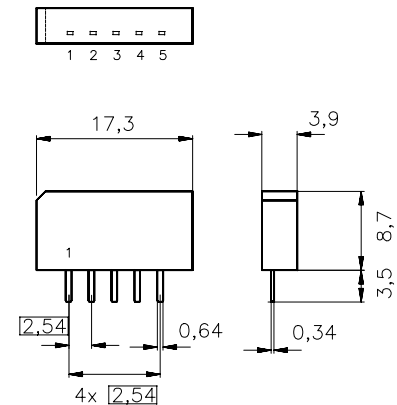
Features

- TV IF audio filter with pass band for sound carriers between 31,50 MHz and 33,50 MHz

Terminals

- Tinned CuFe alloy

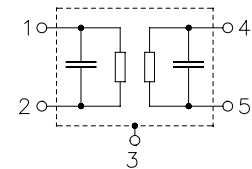
Plastic package **SIP5K**



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
K 9352 M	B39380-K9352-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}	12	V	between any terminals
AC voltage	V_{pp}	10	V	between any terminals



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Characteristics

Reference temperature:

$$T_A = 25 \text{ }^{\circ}\text{C}$$

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	31,50 MHz	11,8	13,3	14,8	dB
Relative attenuation α_{rel}					
Sound carrier	32,50 MHz	-1,1	-0,1	0,9	dB
	33,50 MHz	-0,8	0,2	1,2	dB
Picture carrier	38,00 MHz	44,0	52,0	—	dB
Adjacent picture carrier	30,00 MHz	42,0	54,0	—	dB
Adjacent sound carrier	39,50 MHz	42,0	52,0	—	dB
	40,00 MHz	40,0	47,0	—	dB
	40,50 MHz	44,0	56,0	—	dB
Lower sidelobe	25,00 ... 30,00 MHz	37,0	43,0	—	dB
Upper sidelobe	38,00 ... 45,00 MHz	39,0	46,0	—	dB
Impedance at 31,50 MHz					
Input: $Z_{\text{IN}} = R_{\text{IN}} \parallel C_{\text{IN}}$		—	1,7 \parallel 11,0	—	k Ω \parallel pF
Output: $Z_{\text{OUT}} = R_{\text{OUT}} \parallel C_{\text{OUT}}$		—	2,1 \parallel 5,3	—	k Ω \parallel pF
Temperature coefficient of frequency TC_f		—	-72	—	ppm/K



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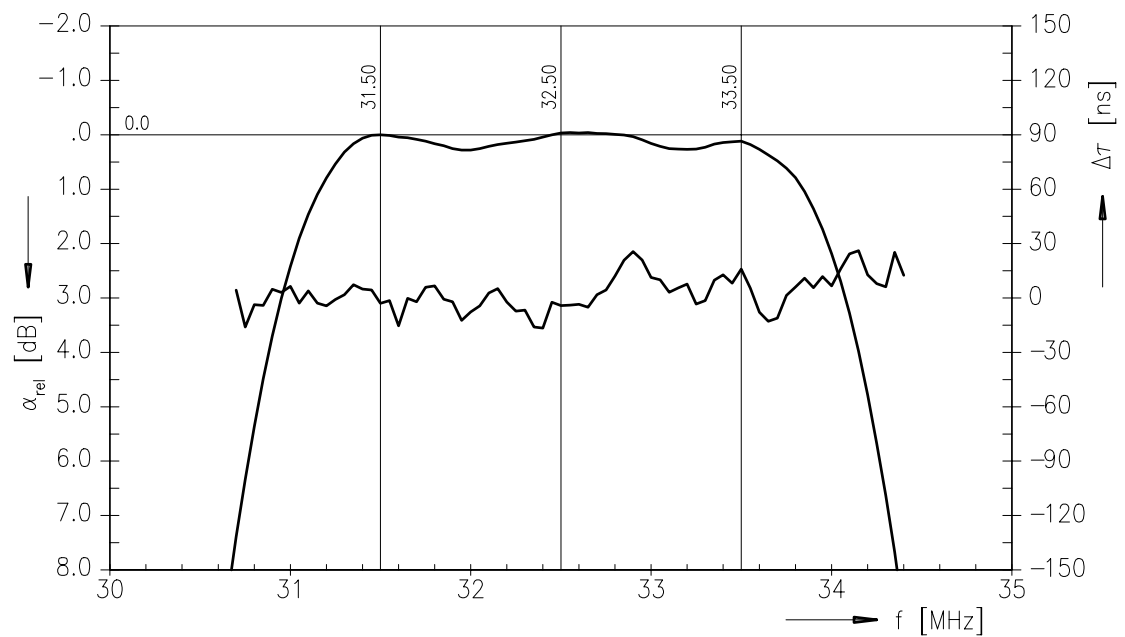
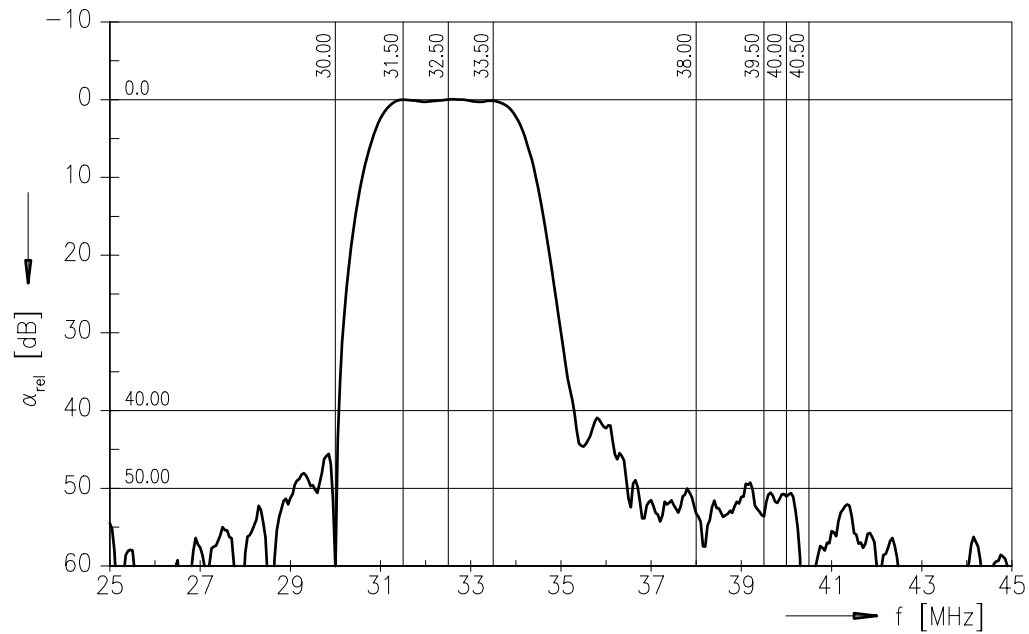
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Frequency response





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