



SAW Components

Data Sheet K 9351 M

Data Sheet

EPCOS



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K 9351 M

IF Filter for Audio Applications

38,00 MHz

Data Sheet

Standard

- B/G
- D/K
- I

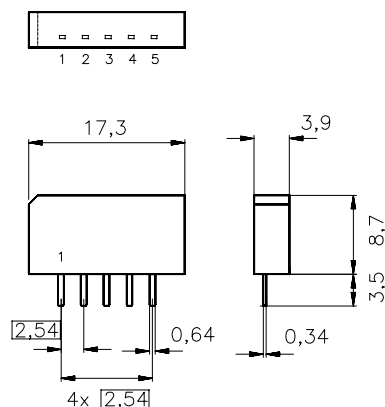
Plastic package **SIP5K**

Features

- TV IF audio filter with pass band for sound carriers between 31,45 MHz and 32,50 MHz

Terminals

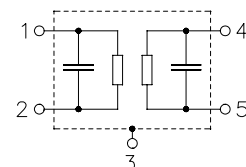
- Tinned CuFe alloy



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
K 9351 M	B39380-K9351-M100	C61157-A1-A15	F61074-V8067-Z000

Maximum ratings

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



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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	10,2	11,7	13,2	dB
Relative attenuation α_{rel}					
Sound carrier	31,45 MHz	-1,0	0,0	1,0	dB
	32,00 MHz	-0,9	0,1	1,1	dB
	32,50 MHz	0,1	1,1	2,1	dB
Picture carrier	38,00 MHz	40,0	48,0	—	dB
Color carrier	33,57 MHz	30,0	37,0	—	dB
Adjacent picture carrier	30,00 MHz	40,0	52,0	—	dB
Adjacent sound carrier	39,50 MHz	45,0	58,0	—	dB
	40,00 MHz	45,0	62,0	—	dB
	40,50 MHz	45,0	60,0	—	dB
Lower sidelobe	25,00 ... 30,00 MHz	39,0	46,0	—	dB
Upper sidelobe	38,00 ... 45,00 MHz	40,0	47,0	—	dB
Impedance at 31,50 MHz					
Input: $Z_{\text{IN}} = R_{\text{IN}} \parallel C_{\text{IN}}$		—	1,4 $\parallel$ 11,6	—	k Ω $\parallel$ pF
Output: $Z_{\text{OUT}} = R_{\text{OUT}} \parallel C_{\text{OUT}}$		—	1,4 $\parallel$ 4,9	—	k Ω $\parallel$ pF
Temperature coefficient of frequency TC_f		—	-72	—	ppm/K



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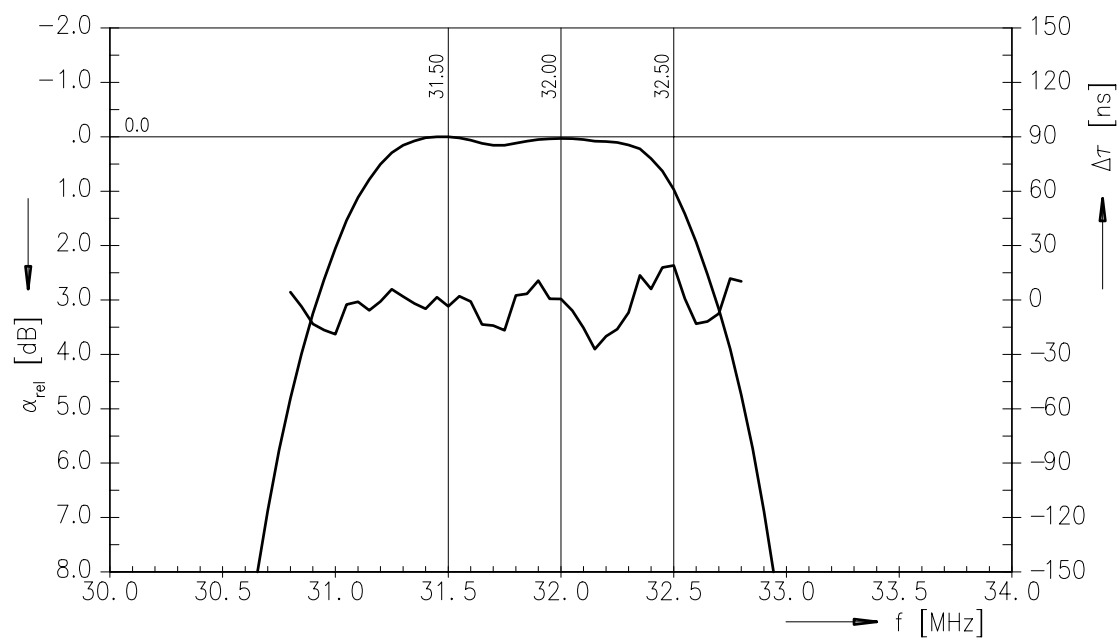
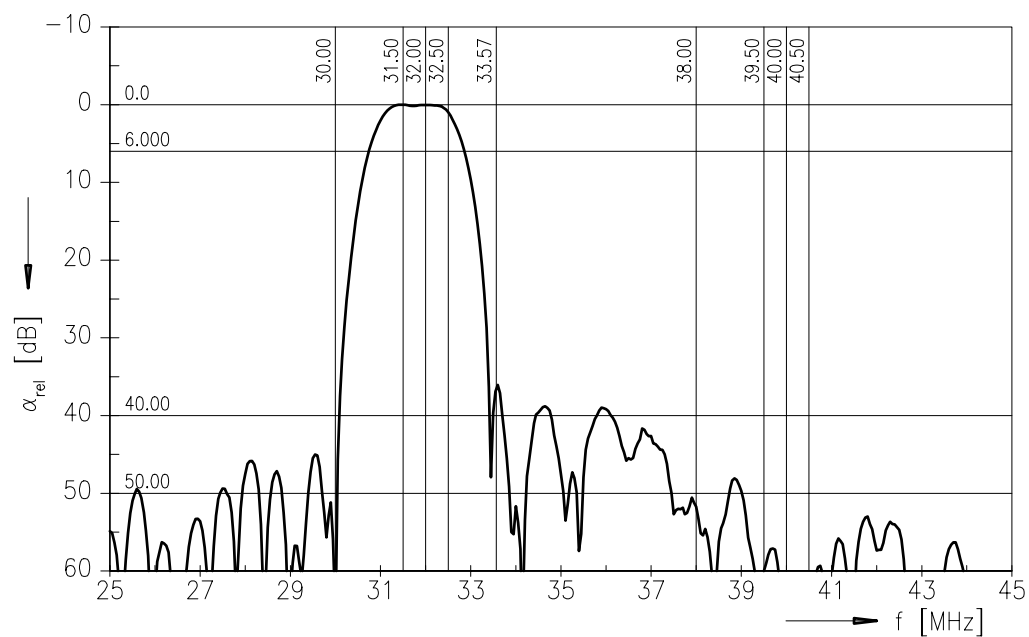
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Frequency response





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