



SAW Components

Data Sheet K 9352 M





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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

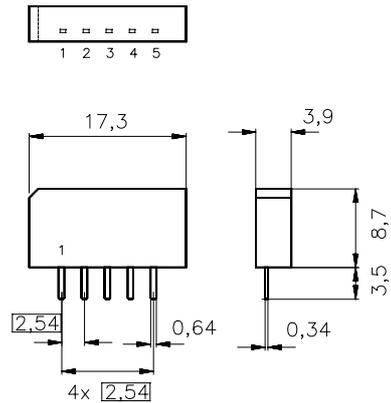
Features

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

Terminals

- Tinned CuFe alloy

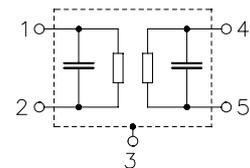
Plastic package **SIP5K**



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: $T_A = 25\text{ °C}$
 Terminating source impedance: $Z_S = 50\ \Omega$
 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: | $Z_{IN} = R_{IN} \parallel C_{IN}$ | — | 1,7 \parallel 11,0 | — | k Ω \parallel pF |
| Output: | $Z_{OUT} = R_{OUT} \parallel C_{OUT}$ | — | 2,1 \parallel 5,3 | — | k Ω \parallel pF |
| Temperature coefficient of frequency | | | | | |
| | TC_f | — | -72 | — | ppm/K |



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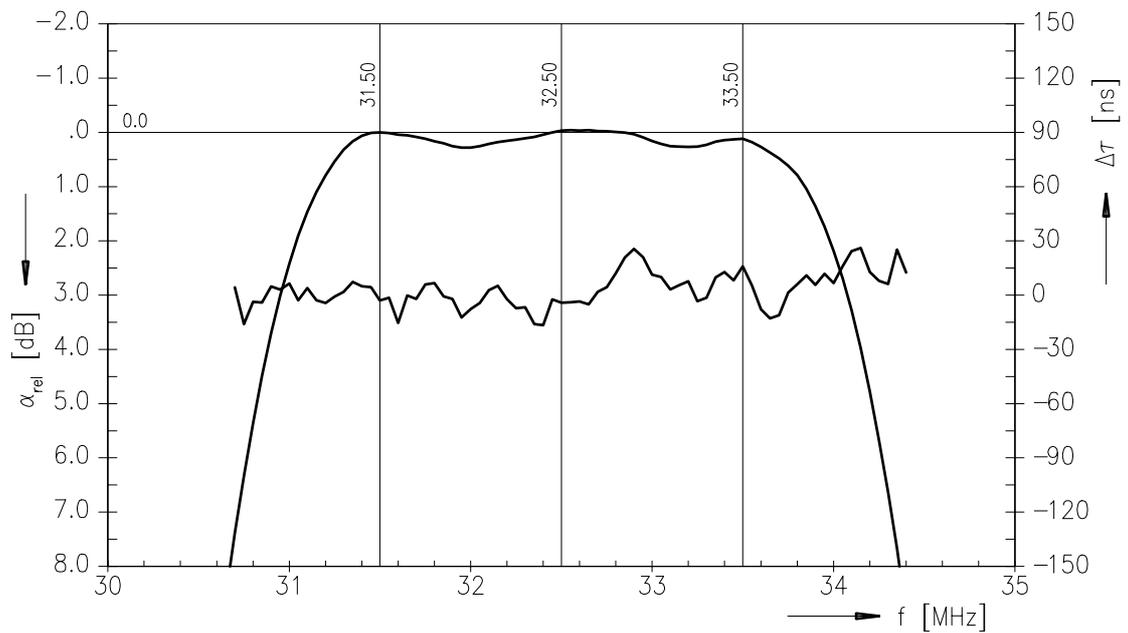
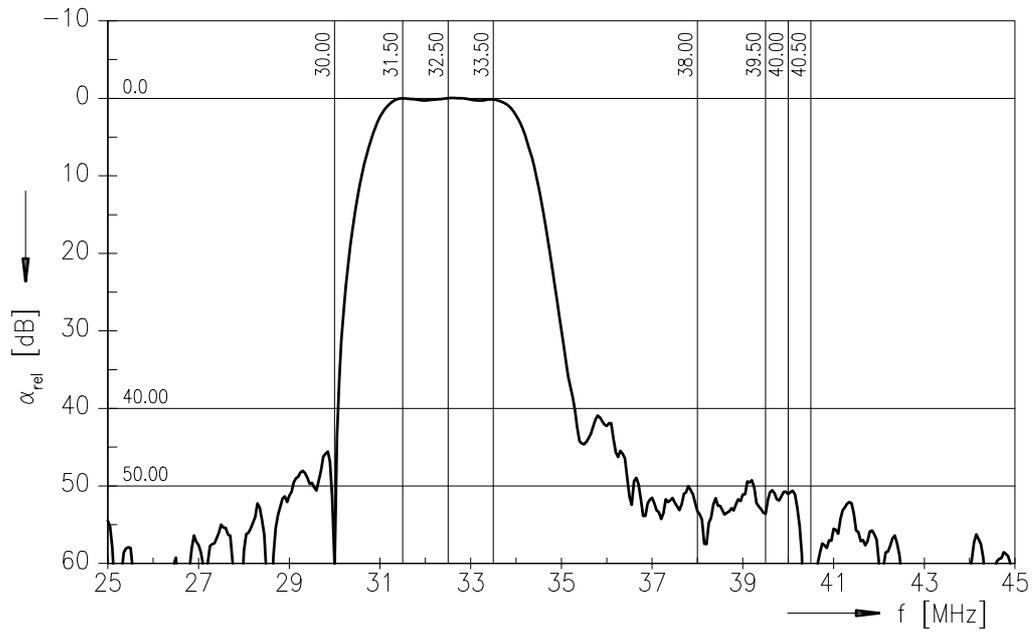
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Frequency response





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