



SAW Components

Data Sheet K 9362 M

Data Sheet

A large, stylized, 3D graphic of the word "EPCOS" in a light gray, sans-serif font. The letters are tilted and appear to be floating or emerging from a dark, textured background that resembles a globe or a complex circuit pattern.



SAW Components

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IF Filter for Audio Applications

38,90 MHz

Data Sheet

Standard

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

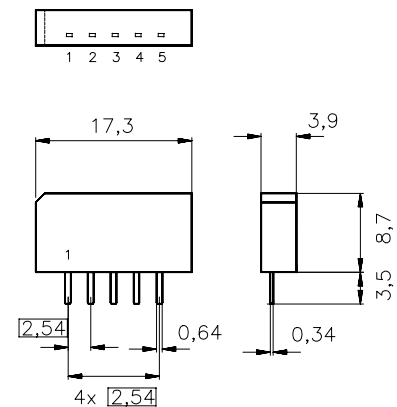
Plastic package **SIP5K**

Features

- TV IF audio filter with passband for sound carriers between 32,40 MHz and 34,40 MHz

Terminals

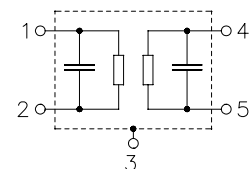
- Tinned CuFe alloy



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 9362 M | B39389-K9362-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: $T_A = 25\text{ °C}$
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 | 32,40 MHz | 11,5 | 13,0 | 14,5 | dB |
| Relative attenuation α_{rel} | | | | | |
| Sound carrier | 33,40 MHz | -1,2 | -0,2 | 0,8 | dB |
| | 34,40 MHz | -0,6 | 0,4 | 1,4 | dB |
| Picture carrier | 38,90 MHz | 42,0 | 61,0 | — | dB |
| Color carrier M/N | 35,32 MHz | 20,0 | 30,0 | — | dB |
| Adjacent picture carrier | 30,90 MHz | 40,0 | 56,0 | — | dB |
| Adjacent sound carrier | 40,40 MHz | 42,0 | 50,0 | — | dB |
| Lower sidelobe | 25,00 ... 30,90 MHz | 38,0 | 44,0 | — | dB |
| Upper sidelobe | 38,90 ... 45,00 MHz | 38,0 | 46,0 | — | dB |
| Impedance at 32,40 MHz | | | | | |
| Input: $Z_{IN} = R_{IN} \parallel C_{IN}$ | | — | 1,5 \parallel 12,2 | — | k Ω \parallel pF |
| Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$ | | — | 1,6 \parallel 5,3 | — | k Ω \parallel pF |
| Temperature coefficient of frequency TC_f | | — | - 72 | — | ppm/K |



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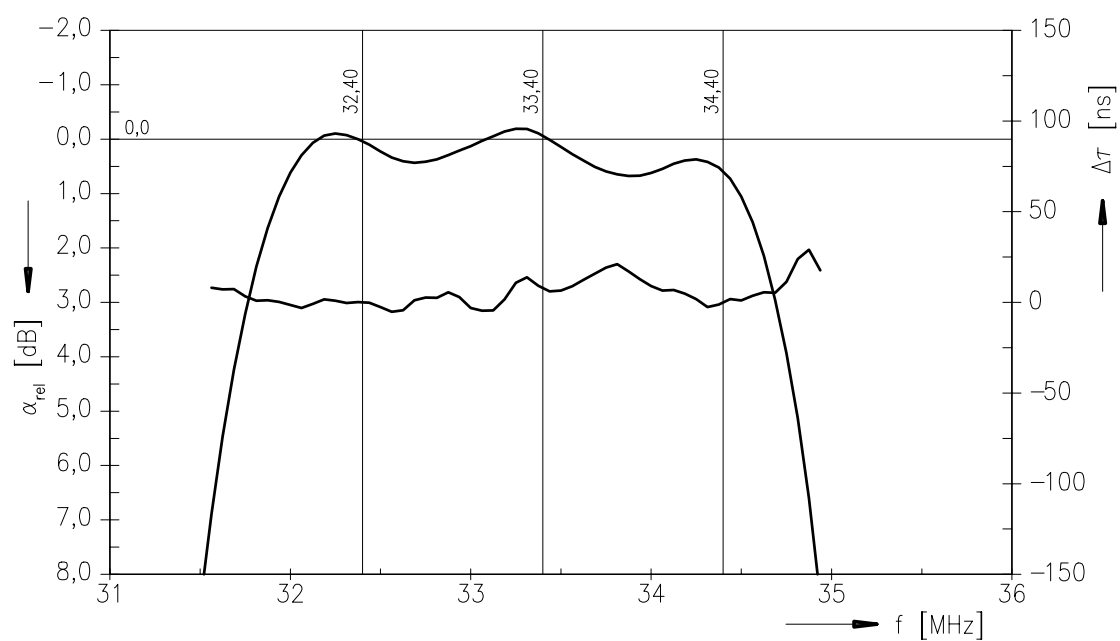
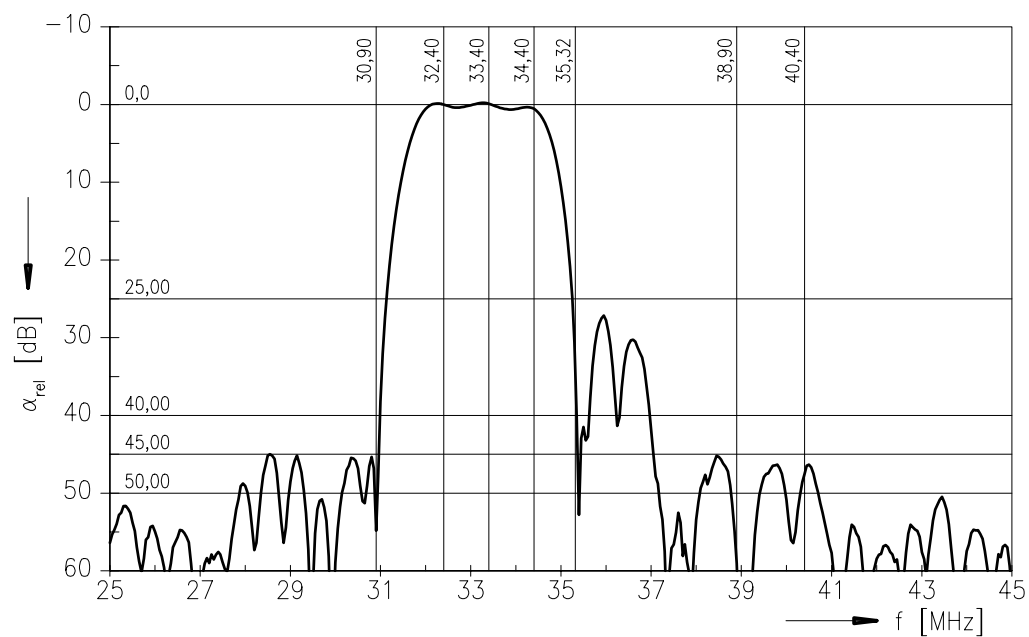
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Frequency response





| | |
|-----------------------------------------|------------------|
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| IF Filter for Audio Applications | 38,90 MHz |

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