



# *SAW Components*

*Data Sheet M 9260 M*

Data Sheet

An abstract graphic featuring the word "EPCOS" in large, glowing, 3D letters. The letters are white with a blue outline and a blue glow. They are set against a dark background that includes a faint world map and a stylized globe. The overall effect is one of global reach and technological sophistication.



## SAW Components

M 9260 M

## IF Filter for Audio Applications

45,75 MHz

### Data Sheet

#### Standard

Plastic package **SIP5K**

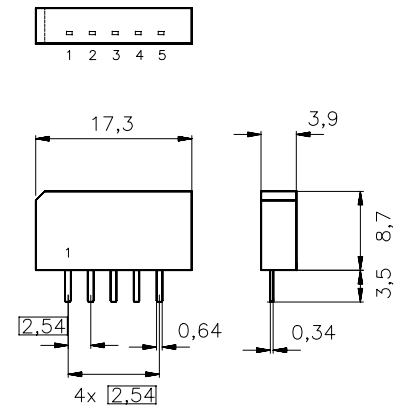
■ M/N

#### Features

- TV IF audio filter with pass bands for picture carrier at 45,75 MHz and sound carrier at 41,25 MHz

#### Terminals

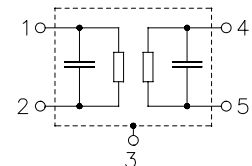
- Tinned CuFe alloy



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 |
|----------|-------------------|----------------------------------|----------------------|
| M 9260 M | B39458-M9260-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. |                           |
|--------------------------------------------------------------------|-----------------------|------|---------------------|------|---------------------------|
| <b>Insertion attenuation</b>                                       | $\alpha$              |      |                     |      |                           |
| Reference level for the following data                             | 41,25 MHz             | 12,6 | 14,1                | 15,6 | dB                        |
| <b>Relative attenuation</b>                                        | $\alpha_{\text{rel}}$ |      |                     |      |                           |
| Picture carrier                                                    | 45,75 MHz             | -0,6 | 0,4                 | 1,4  | dB                        |
| Color carrier                                                      | 42,17 MHz             | 22,0 | 28,0                | —    | dB                        |
| Adjacent picture carrier                                           | 39,75 MHz             | 42,0 | 50,0                | —    | dB                        |
| Adjacent sound carrier                                             | 47,25 MHz             | 40,0 | 48,0                | —    | dB                        |
| Lower sidelobe                                                     | 35,00 ... 39,75 MHz   | 40,0 | 46,0                | —    | dB                        |
| Upper sidelobe                                                     | 47,25 ... 55,00 MHz   | 36,0 | 42,0                | —    | dB                        |
| <b>Impedance</b> at 41,25 MHz                                      |                       |      |                     |      |                           |
| Input: $Z_{\text{IN}} = R_{\text{IN}} \parallel C_{\text{IN}}$     |                       | —    | 0,4 $\parallel$ 9,5 | —    | k $\Omega$ $\parallel$ pF |
| Output: $Z_{\text{OUT}} = R_{\text{OUT}} \parallel C_{\text{OUT}}$ |                       | —    | 3,3 $\parallel$ 6,3 | —    | k $\Omega$ $\parallel$ pF |
| <b>Temperature coefficient of frequency</b>                        | $TC_f$                | —    | -72                 | —    | ppm/K                     |



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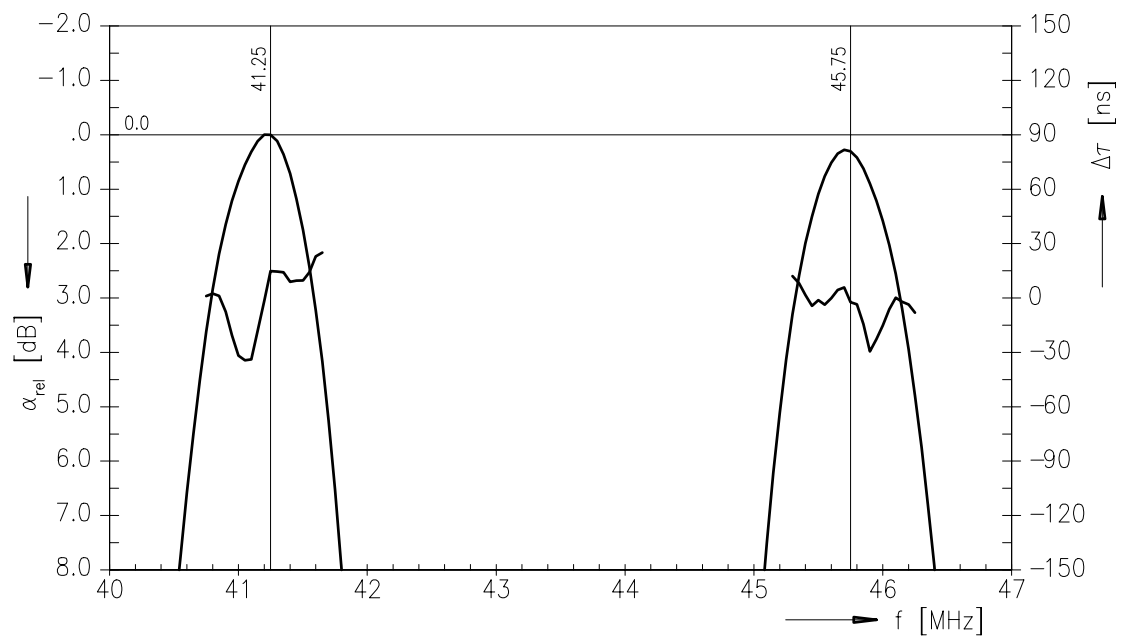
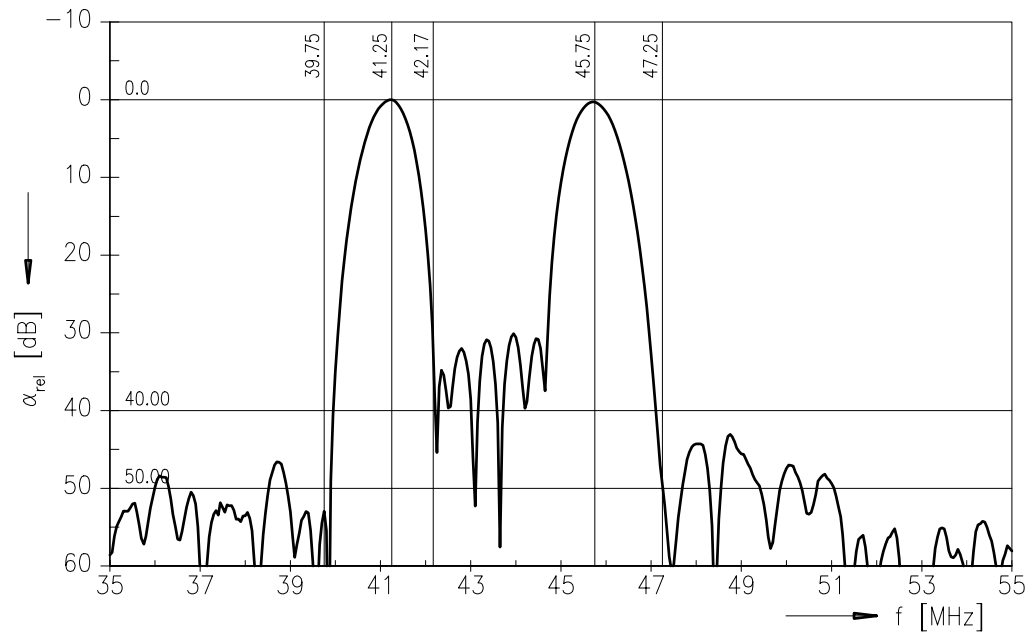
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Frequency response





|                                         |                  |
|-----------------------------------------|------------------|
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| <b>IF Filter for Audio Applications</b> | <b>45,75 MHz</b> |

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### **Published by EPCOS AG**

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