



# SAW Components

Data Sheet M 9352 M

Data Sheet

A large, stylized, 3D graphic of the EPCOS logo. The letters "EPCOS" are rendered in a bold, sans-serif font, appearing to be part of a larger, curved structure that resembles a stylized globe or a series of overlapping planes. The graphic is in grayscale and has a metallic, reflective appearance.



## SAW Components

M 9352 M

## IF Filter for Audio Applications

45,75 MHz

### Data Sheet

#### Standard

Plastic package **SIP5K**

■ M/N

#### Features

- TV IF audio filter with pass band for sound carrier at 41,25 MHz

#### Terminals

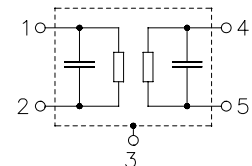
- Tinned CuFe alloy



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 9352 M	B39458-M9352-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:  $Z_L = 50\text{ }\Omega$

		min.	typ.	max.	
<b>Insertion attenuation</b> $\alpha$					
Reference level for the following data	41,25 MHz	14,9	16,4	17,9	dB
<b>Relative attenuation</b> $\alpha_{rel}$					
	40,95 MHz	0,5	1,5	2,5	dB
	41,55 MHz	-0,3	0,7	1,7	dB
	39,17 MHz	40,0	54,0	—	dB
Picture carrier	45,75 MHz	46,0	59,0	—	dB
Color carrier	42,17 MHz	20,0	28,0	—	dB
Adjacent picture carrier	39,75 MHz	40,0	45,0	—	dB
Adjacent sound carrier	47,25 MHz	46,0	62,0	—	dB
Lower sidelobe	35,00 ... 39,75 MHz	36,0	41,0	—	dB
Upper sidelobe	45,75 ... 55,00 MHz	42,0	52,0	—	dB
<b>Group delay ripple (p-p)</b> $\Delta\tau$		—	90	—	ns
<b>Impedance</b> at 41,25 MHz					
Input: $Z_{IN} = R_{IN} \parallel C_{IN}$		—	0,1 $\parallel$ 24,2	—	k $\Omega$ $\parallel$ pF
Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$		—	1,2 $\parallel$ 8,3	—	k $\Omega$ $\parallel$ pF
<b>Temperature coefficient of frequency</b> $TC_f$		—	-72	—	ppm/K



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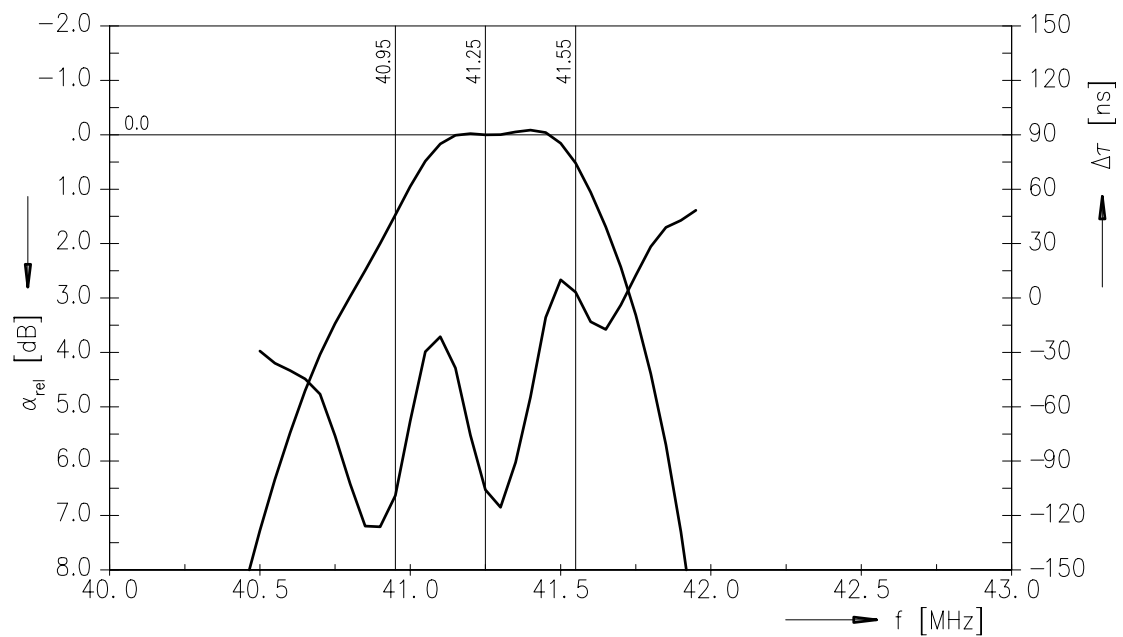
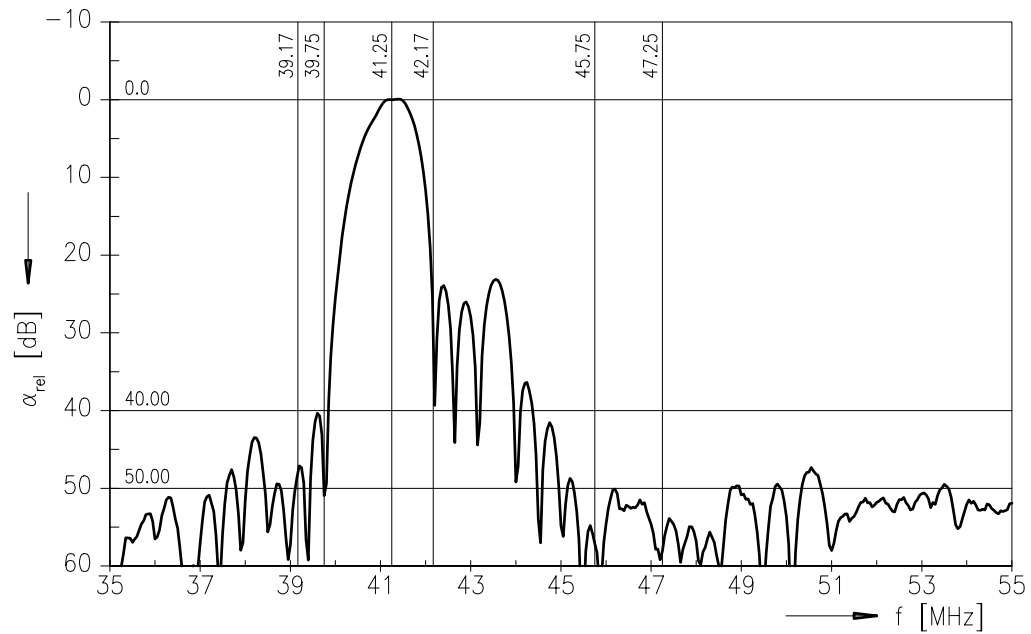
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Frequency response





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