



# SAW Components

Data Sheet K 9362 M





**SAW Components**

**K 9362 M**

**IF Filter for Audio Applications**

**38,90 MHz**

**Data Sheet**

**Standard**

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

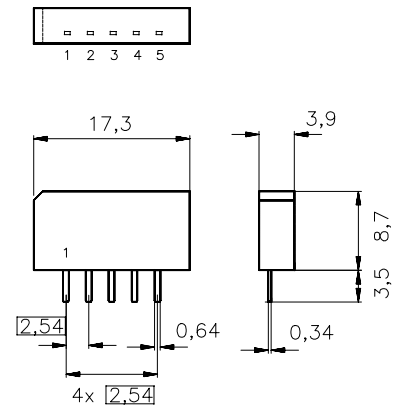
**Features**

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

**Terminals**

- Tinned CuFe alloy

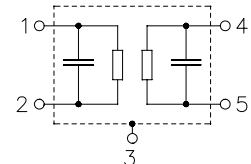
Plastic package **SIP5K**



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 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



**SAW Components**

**K 9362 M**

**IF Filter for Audio Applications**

**38,90 MHz**

**Data Sheet**

**Characteristics**

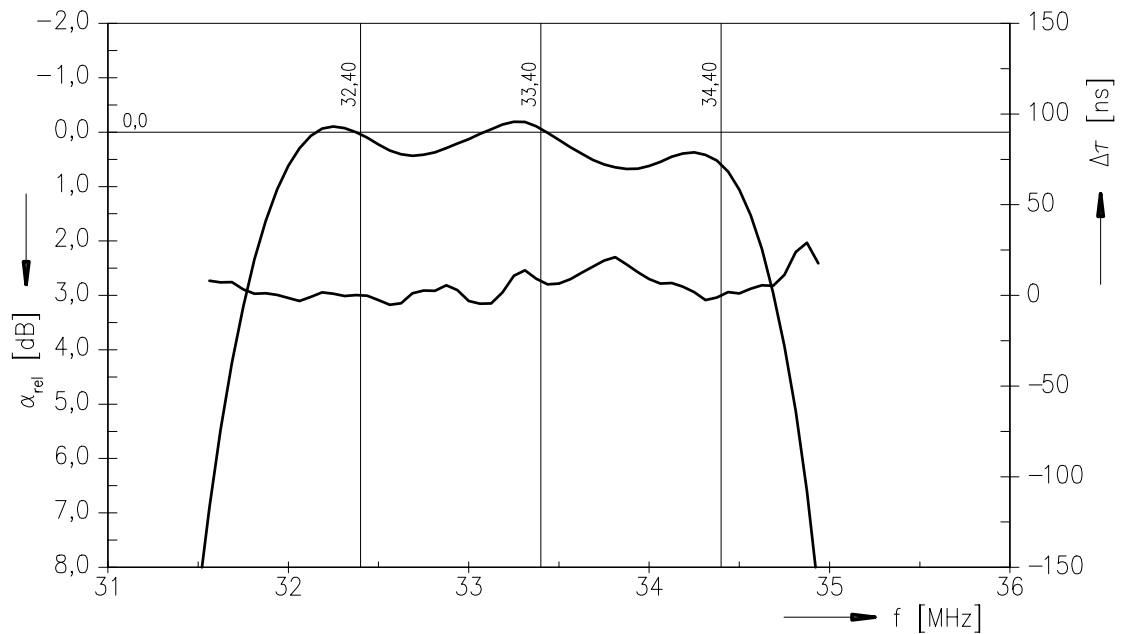
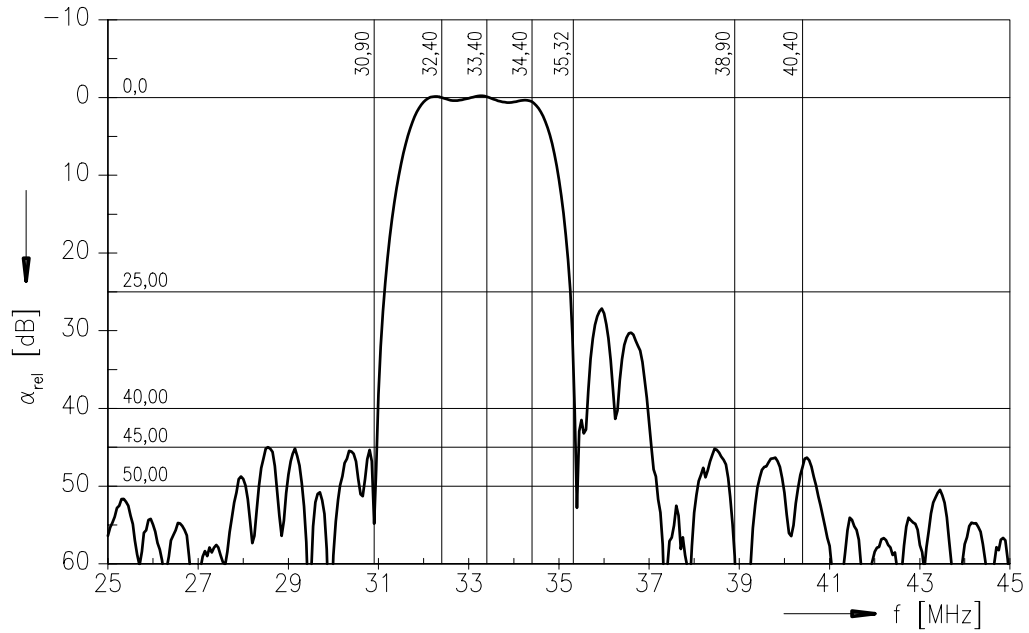
Reference temperature:  $T_A = 25\text{ °C}$   
 Terminating source impedance:  $Z_S = 50\ \Omega$   
 Terminating load impedance:  $Z_L = 2\text{ k}\Omega \parallel 3\text{ pF}$

		<b>min.</b>	<b>typ.</b>	<b>max.</b>	
<b>Insertion attenuation</b>					
	$\alpha$				
Reference level for the following data	32,40 MHz	11,5	13,0	14,5	dB
<b>Relative attenuation</b>					
	$\alpha_{rel}$				
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
<b>Impedance at 32,40 MHz</b>					
Input:	$Z_{IN} = R_{IN} \parallel C_{IN}$	—	1,5 $\parallel$ 12,2	—	k $\Omega$ $\parallel$ pF
Output:	$Z_{OUT} = R_{OUT} \parallel C_{OUT}$	—	1,6 $\parallel$ 5,3	—	k $\Omega$ $\parallel$ pF
<b>Temperature coefficient of frequency</b>	$TC_f$	—	- 72	—	ppm/K



Data Sheet

Frequency response





**SAW Components**

**K 9362 M**

**IF Filter for Audio Applications**

**38,90 MHz**

**Data Sheet**

**Published by EPCOS AG**

**Surface Acoustic Wave Components Division, SAW CE MM PD**

**P.O. Box 80 17 09, D-81617 München**

© EPCOS AG 2001. All Rights Reserved.

As far as patents or other rights of third parties are concerned, liability is only assumed for components per se, not for applications, processes and circuits implemented within components or assemblies.

The information describes the type of component and shall not be considered as assured characteristics.

Terms of delivery and rights to change design reserved.

For questions on technology, prices and delivery please contact the sales offices of EPCOS AG or the international representatives.

Due to technical requirements components may contain dangerous substances. For information on the type in question please also contact one of our sales offices.