

# 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
- M/N

#### **Features**

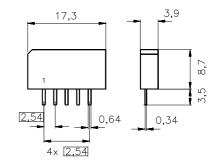
■ TV IF audio filter with passband for sound carriers between 32,40 MHz and 34,40 MHz

#### **Terminals**

■ Tinned CuFe alloy

# Plastic package SIP5K

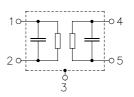




Dimensions in mm, approx. weight 1,0 g

### Pin configuration

- 1 Input
- 2 Input ground
- 3 Chip carrier ground
- 4 Output
- 5 Output



Туре	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	$T_{ m stg}$	<b>- 40/+ 85</b>	°C	
DC voltage	$V_{DC}$	5	V	between any terminals
AC voltage	$V_{\sf pp}$	10	V	between any terminals



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Characteristics

Reference temperature:  $T_{\rm A} = 25~^{\circ}{\rm C}$ Terminating source impedance:  $Z_{\rm S} = 50~\Omega$ Terminating load impedance:  $Z_{\rm L} = 2~{\rm k}\Omega \parallel 3~{\rm pF}$ 

					min.	typ.	max.	
Insertion attenuation								
Reference level for the 32,40 MHz					11,5	13,0	14,5	dB
following data								
Relative attenuation				$lpha_{rel}$				
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 MH			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			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: $Z_{IN} = R_{IN}    C_{IN}$					_	1,5   12,2	_	$k\Omega \parallel pF$
Output: $Z_{OUT} = R_{OUT}    C_{OUT}$					_	1,6    5,3	_	kΩ    pF
Temperature coefficient of frequency				$TC_{f}$	_	- 72	_	ppm/K



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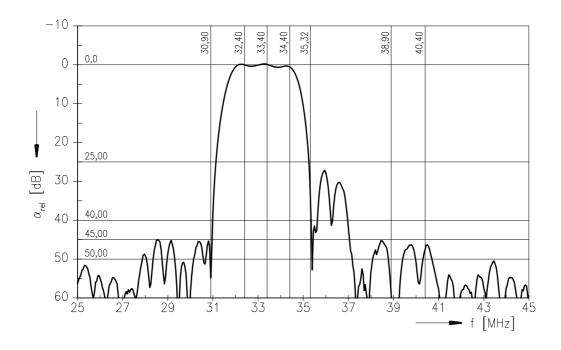
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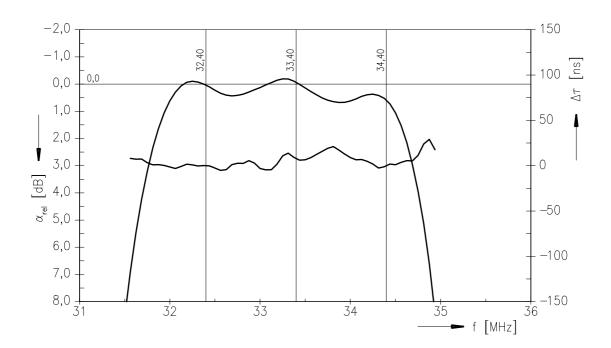
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# Frequency response







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