



SAW Components

Data Sheet K 9356 M





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K 9356 M

IF Filter for Audio Applications

38,90 MHz

Data Sheet

Standard

- B/G
- D/K
- I
- L

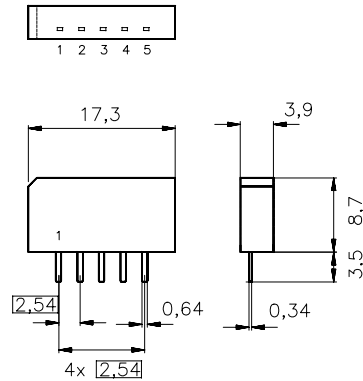
Features

- TV IF audio filter with passband for sound carriers at 32,40 MHz (D/K, L), 32,90 MHz (I) and 33,40 MHz (B/G)

Terminals

- Tinned CuFe alloy

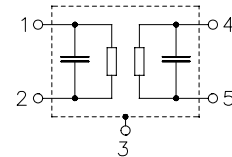
Plastic package **SIP5K**



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 9356 M	B39389-K9356-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:

$T_A = 25 \text{ }^\circ\text{C}$

Terminating source impedance:

$Z_S = 50 \text{ } \Omega$

Terminating load impedance:

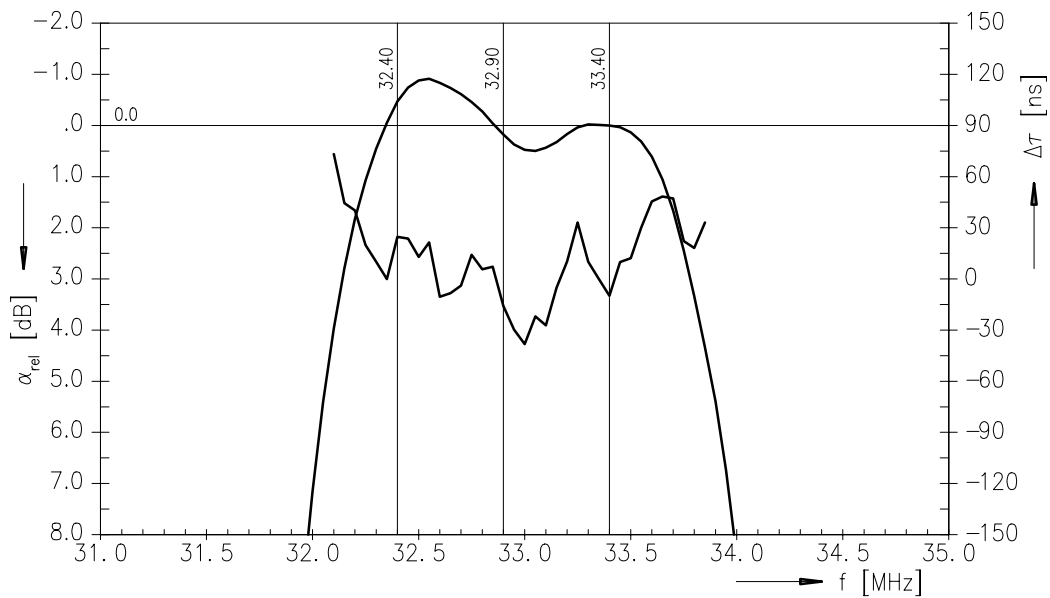
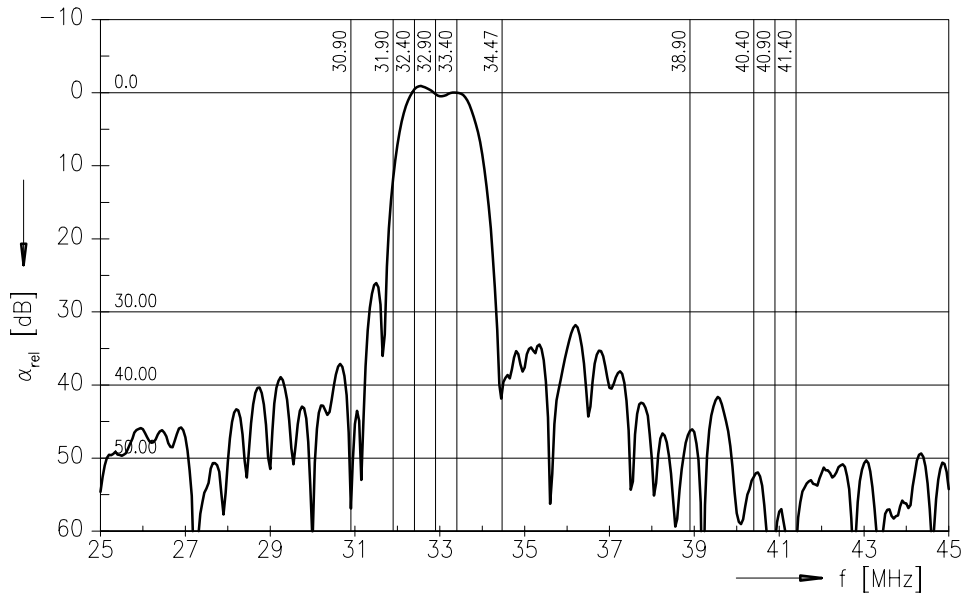
$Z_L = 2 \text{ k}\Omega \parallel 3 \text{ pF}$

		min.	typ.	max.	
Insertion attenuation		α			
Reference level for the following data	33,40 MHz	9,1	10,6	12,1	dB
Relative attenuation		α_{rel}			
Sound carrier	32,40 MHz	-1,4	-0,4	0,6	dB
	32,90 MHz	-0,9	0,1	1,1	dB
	33,05 MHz	-0,5	0,5	1,5	dB
Picture carrier	38,90 MHz	40,0	47,0	—	dB
Color carrier	34,47 MHz	33,0	40,0	—	dB
Adjacent picture carrier	30,90 MHz	40,0	55,0	—	dB
	31,90 MHz	9,5	12,0	—	dB
Adjacent sound carrier	40,40 MHz	46,0	54,0	—	dB
	40,90 MHz	46,0	61,0	—	dB
	41,40 MHz	46,0	60,0	—	dB
Lower sidelobe	25,00 ... 30,90 MHz	34,0	38,0	—	dB
Upper sidelobe	38,90 ... 75,00 MHz	35,0	41,0	—	dB
Impedance at 33,40 MHz					
Input: $Z_{\text{IN}} = R_{\text{IN}} \parallel C_{\text{IN}}$		—	0,7 \parallel 11,6	—	k Ω \parallel pF
Output: $Z_{\text{OUT}} = R_{\text{OUT}} \parallel C_{\text{OUT}}$		—	2,3 \parallel 2,6	—	k Ω \parallel pF
Temperature coefficient of frequency	TC_f	—	-72	—	ppm/K



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Frequency response





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