



SAW Components

Data Sheet L 9353 M





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L 9353 M

IF Filter for Audio Applications

33,90 MHz

Data Sheet

Standard

Plastic package **SIP5K**

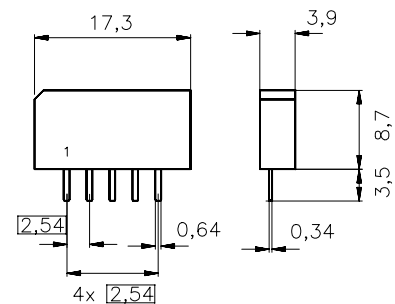
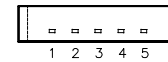
- L

Features

- TV IF audio filter with pass band for sound carrier at 40,40 MHz

Terminals

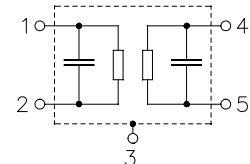
- Tinned CuFe alloy



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
L 9353 M	B39339-L9353-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:

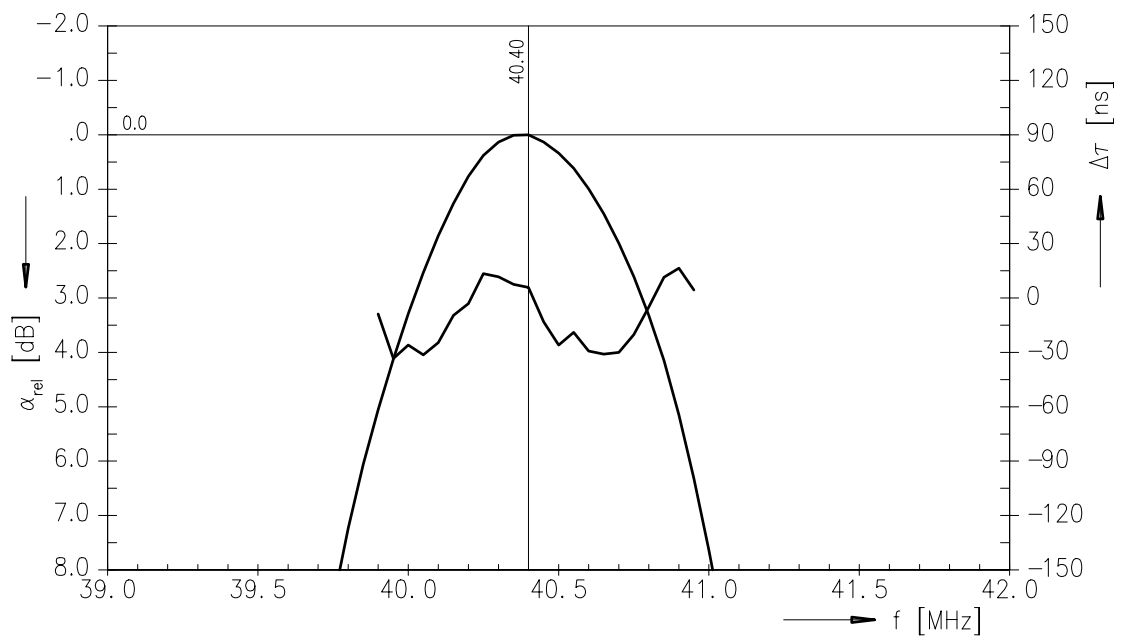
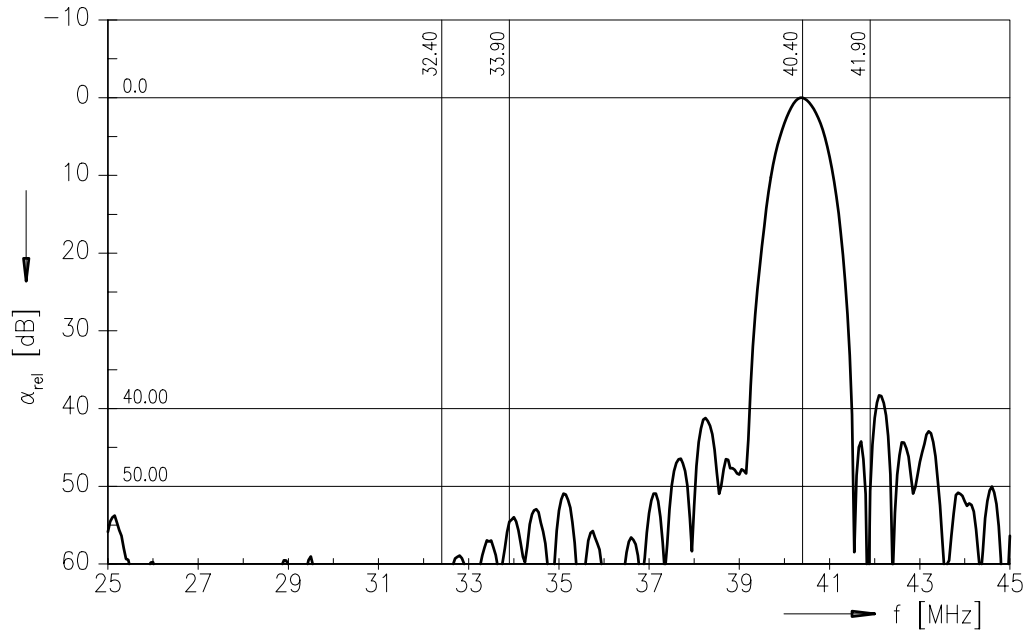
$$Z_L = 2 \text{ k}\Omega \parallel 3 \text{ pF}$$

		min.	typ.	max.	
Insertion attenuation					
	α				
Reference level for the following data	40,40 MHz	8,3	9,8	11,3	dB
Relative attenuation					
	α_{rel}				
Picture carrier	33,90 MHz	45,0	55,0	—	dB
Adjacent sound carrier	32,40 MHz	48,0	62,0	—	dB
Adjacent picture carrier	41,90 MHz	35,0	40,0	—	dB
Lower sidelobe	25,00 ... 32,40 MHz	48,0	56,0	—	dB
Upper sidelobe	41,90 ... 45,00 MHz	30,0	38,0	—	dB
Impedance at 40,40 MHz					
Input:	$Z_{IN} = R_{IN} \parallel C_{IN}$	—	0,6 \parallel 9,3	—	k Ω \parallel pF
Output:	$Z_{OUT} = R_{OUT} \parallel C_{OUT}$	—	2,0 \parallel 3,1	—	k Ω \parallel pF
Temperature coefficient of frequency	TC_f	—	-72	—	ppm/K



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Frequency response





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