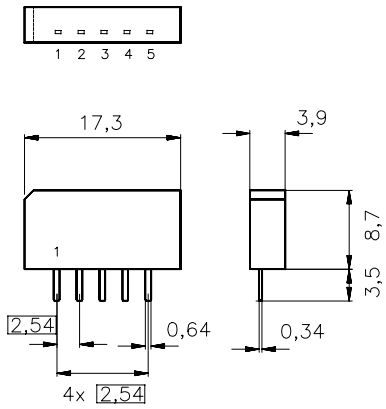
SAW Components

Data Sheet K 9353 M

Standard

Plastic package **SIP5K**

- I



Features

- TV IF audio filter with passbands for sound carriers at 32,90 MHz and 32,35 MHz (NICAM)

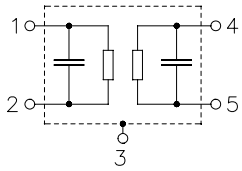
Terminals

- 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
K 9353 M	B39389-K9353-M100	C61157-A1-A15	F61074-V8067-Z000

Maximum ratings

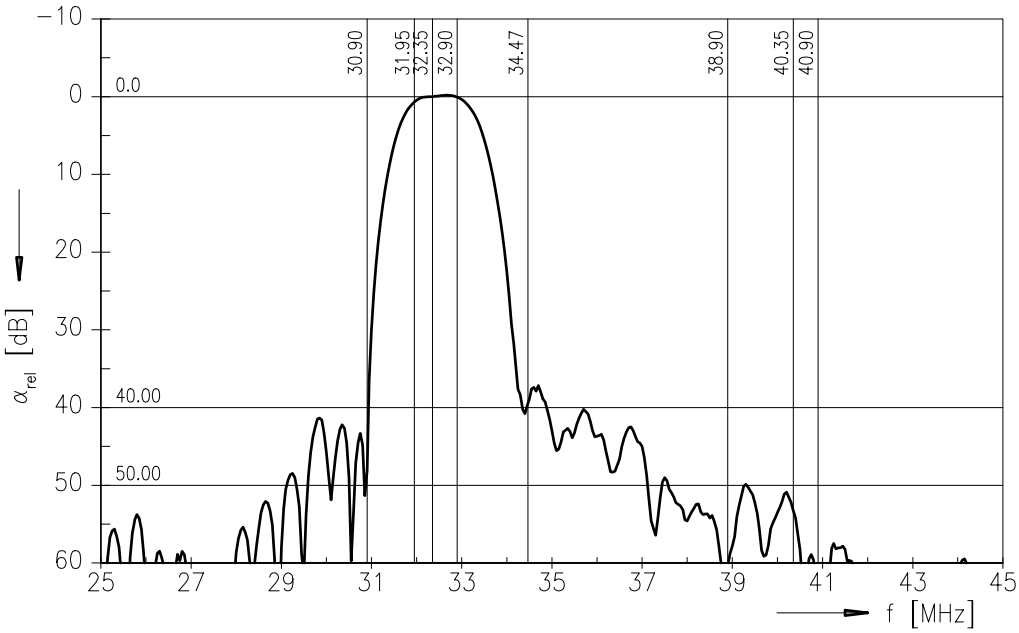
Operable temperature range	T_A	–25/+65	˚C	
Storage temperature range	T_{stg}	–40/+85	˚C	
DC voltage	V_{DC}	5	V	between any terminals
AC voltage	V_{pp}	10	V	between any terminals

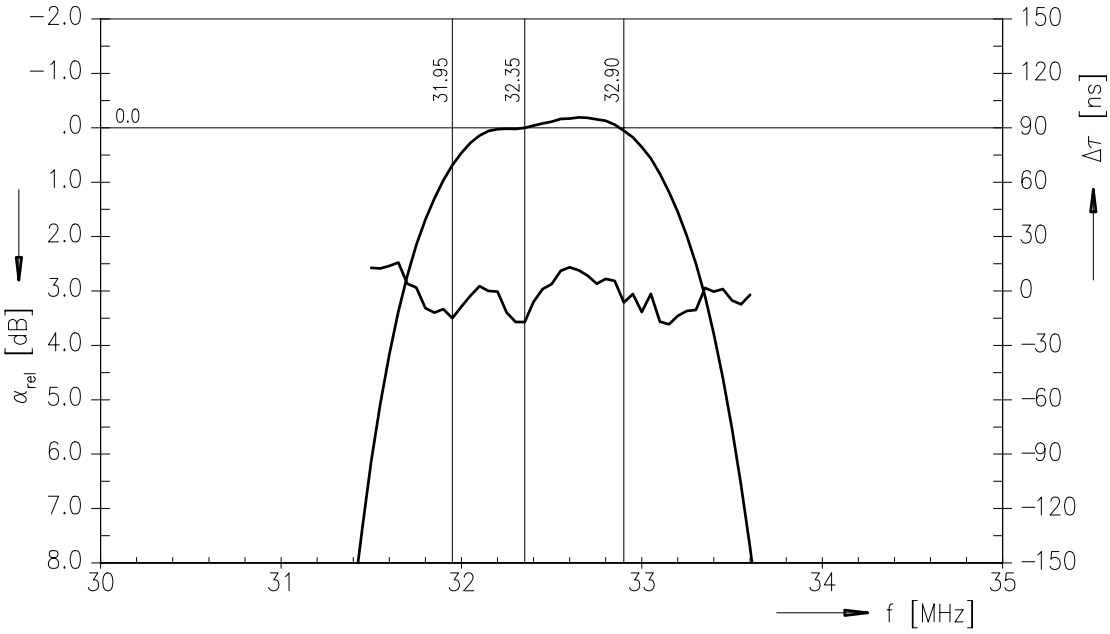
Characteristics

Reference temperature: T_A = 25 °C
Terminating source impedance: Z_S = 50 Ω
Terminating load impedance: Z_L = 2 kΩ || 3 pF

			min.	typ.	max.	
Insertion attenuation		α				
Reference level for the following data	32,35 MHz		10,3	11,8	13,3	dB
Relative attenuation		α_{rel}				
Sound carrier	32,90 MHz		–0,8	0,2	1,2	dB
	31,95 MHz		–0,3	0,7	1,7	dB
Picture carrier	38,90 MHz		44,0	57,0	—	dB
Color carrier	34,47 MHz		32,0	40,0	—	dB
Adjacent picture carrier	30,90 MHz		38,0	48,0	—	dB
Adjacent sound carrier	40,90 MHz		46,0	61,0	—	dB
	40,35 MHz		44,0	57,0	—	dB
Lower sidelobe	25,00 ... 30,90 MHz		34,0	40,0	—	dB
Upper sidelobe	38,90 ... 45,00 MHz		42,0	50,0	—	dB
Impedance at 32,35 MHz						
Input: Z_{IN} = R_{IN} || C_{IN}			—	0,8 || 15,1	—	kΩ || pF
Output: Z_{OUT} = R_{OUT} || C_{OUT}			—	4,0 || 2,4	—	kΩ || pF
Temperature coefficient of frequency		TC_f	—	–72	—	ppm/K

Frequency response





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