



Siemens Matsushita Components

SAW Components IF Filter for Audio Applications

K 9253 M
38,90 MHz

Data Sheet

Standard

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

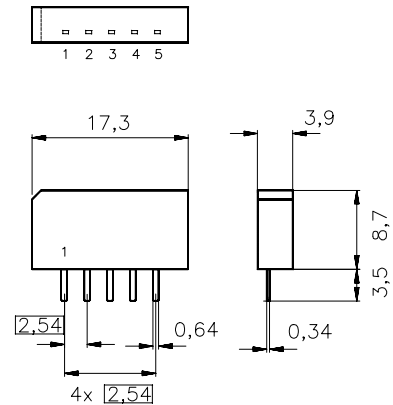
Features

- TV IF audio filter with passbands for picture carriers and sound carriers between 32,40 MHz and 34,40 MHz
- Multistandard application

Terminals

- Tinned CuFe alloy

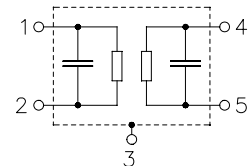
Plastic package **SIP5K**



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 9253 M	B39389-K9253-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}	12	V	between any terminals
AC voltage	V_{pp}	10	V	between any terminals



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Characteristics

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

		min.	typ.	max.	
Insertion attenuation					
	α				
Reference level for the following data	38,90 MHz	23,0	24,2	26,0	dB
Relative attenuation					
	α_{rel}				
Sound carrier	32,40 MHz	-0,2	0,8	1,8	dB
	32,90 MHz	—	0,0	—	dB
	33,40 MHz	-1,2	-0,2	0,8	dB
	34,40 MHz	0,6	1,6	2,6	dB
Adjacent picture carrier	30,90 MHz	32,0	38,0	—	dB
Adjacent sound carrier	40,40 MHz	32,0	40,0	—	dB
	41,40 MHz	36,0	46,0	—	dB
Lower sidelobe	25,00 ... 30,90 MHz	32,0	38,0	—	dB
Upper sidelobe	40,40 ... 45,00 MHz	31,0	37,0	—	dB
Impedance at 38,90 MHz					
	Input: $Z_{IN} = R_{IN} \parallel C_{IN}$	—	5,7 \parallel 9,1	—	k Ω \parallel pF
	Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$	—	4,3 \parallel 2,9	—	k Ω \parallel pF
Temperature coefficient of frequency					
	TC_f	—	-72	—	ppm/K



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Data Sheet Frequency response

