



SAW multimedia filters

Series/Type: **K9351M**

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39380K9351M100		2011-01-14	2011-09-30	2012-09-30

For further information please contact your nearest EPCOS sales office, which will also support you in selecting a suitable substitute. The addresses of our worldwide sales network are presented at www.epcos.com/sales.

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SAW Components
K 9351 M
IF Filter for Audio Applications
38,00 MHz
Data Sheet
Standard

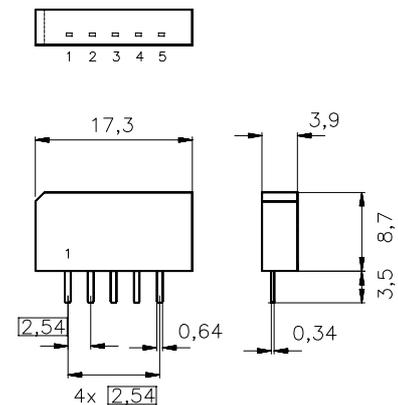
- B/G
- D/K
- I

 Plastic package **SIP5K**
Features

- TV IF audio filter with pass band for sound carriers between 31,45 MHz and 32,50 MHz

Terminals

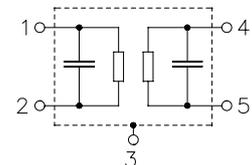
- Tinned CuFe alloy



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
K 9351 M	B39380-K9351-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

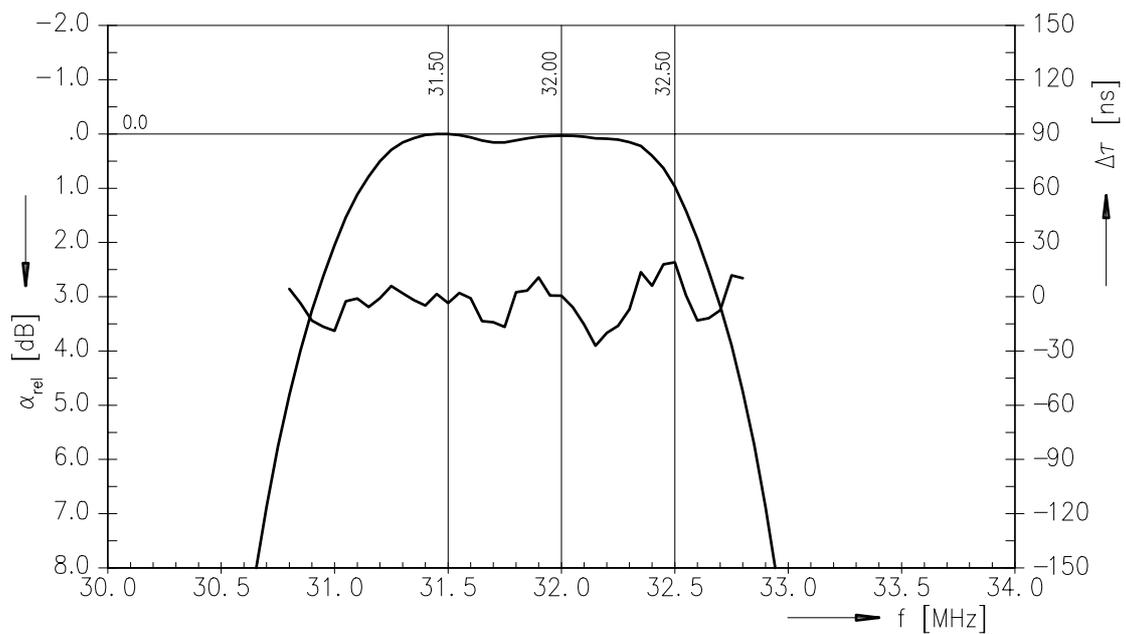
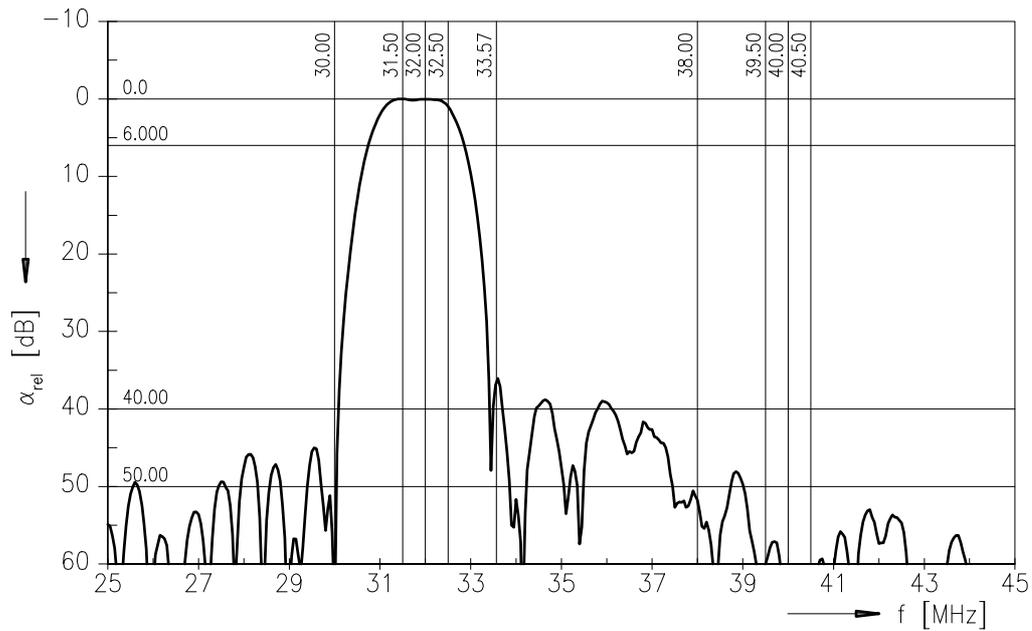
Data Sheet
Characteristics

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	31,50 MHz	10,2	11,7	13,2	dB
Relative attenuation					
	α_{rel}				
Sound carrier	31,45 MHz	-1,0	0,0	1,0	dB
	32,00 MHz	-0,9	0,1	1,1	dB
	32,50 MHz	0,1	1,1	2,1	dB
Picture carrier	38,00 MHz	40,0	48,0	—	dB
Color carrier	33,57 MHz	30,0	37,0	—	dB
Adjacent picture carrier	30,00 MHz	40,0	52,0	—	dB
Adjacent sound carrier	39,50 MHz	45,0	58,0	—	dB
	40,00 MHz	45,0	62,0	—	dB
	40,50 MHz	45,0	60,0	—	dB
Lower sidelobe	25,00 ... 30,00 MHz	39,0	46,0	—	dB
Upper sidelobe	38,00 ... 45,00 MHz	40,0	47,0	—	dB
Impedance at 31,50 MHz					
Input:	$Z_{IN} = R_{IN} \parallel C_{IN}$	—	1,4 \parallel 11,6	—	k Ω \parallel pF
Output:	$Z_{OUT} = R_{OUT} \parallel C_{OUT}$	—	1,4 \parallel 4,9	—	k Ω \parallel pF
Temperature coefficient of frequency					
	TC_f	—	-72	—	ppm/K

Data Sheet

Frequency response



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