EPCOS

SAW Components

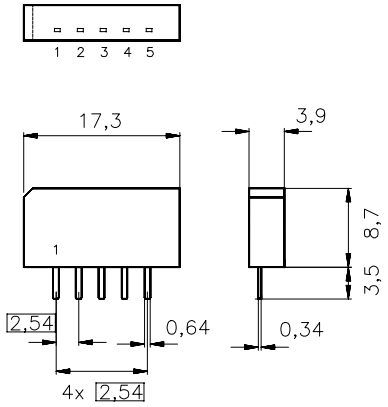
Data Sheet K 9351 M

Data Sheet

Standard

- B/G
- D/K
- I

Plastic package **SIP5K**



Dimensions in mm, approx. weight 1,0 g

Features

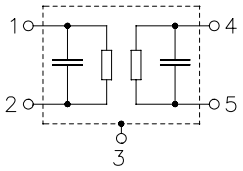
- TV IF audio filter with pass band for sound carriers between 31,45 MHz and 32,50 MHz

Terminals

- Tinned CuFe alloy

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

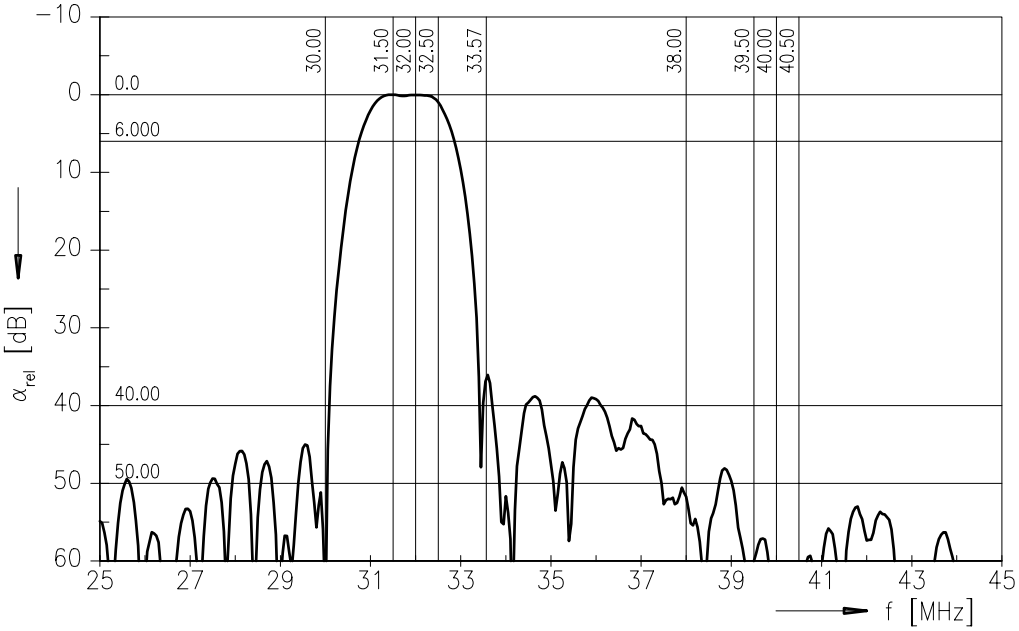
Operable temperature range	T_A	–25/+65	˚C	
Storage temperature range	T_{stg}	–40/+85	˚C	
DC voltage	V_{DC}	12	V	between any terminals
AC voltage	V_{pp}	10	V	between any terminals

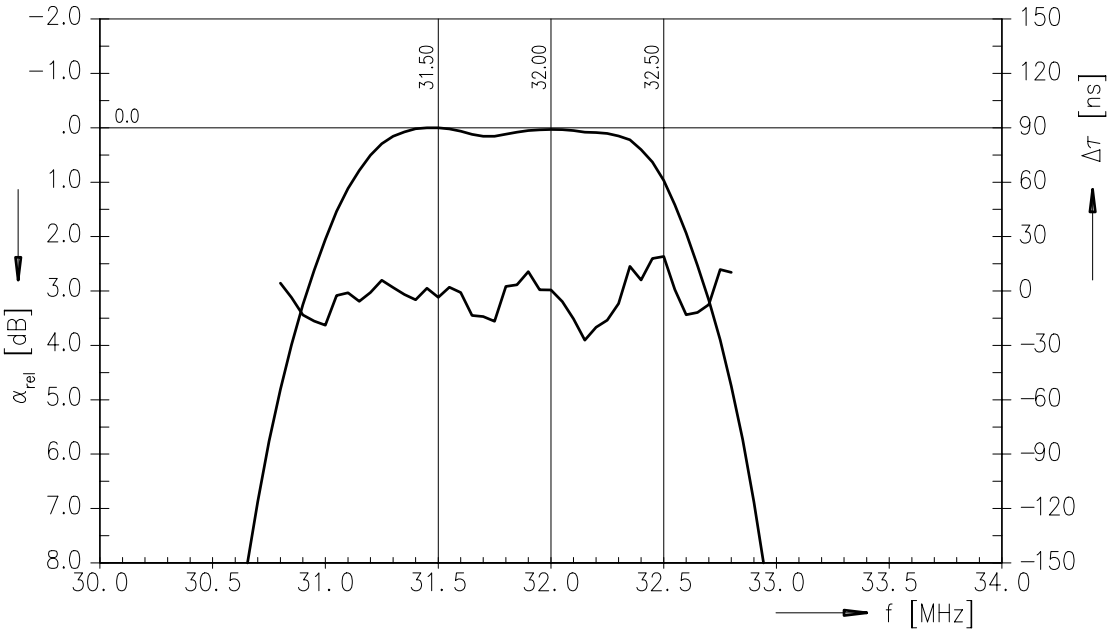
Characteristics

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		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 ‖ 11,6	—	kΩ || pF
Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$				—	1,4 ‖ 4,9	—	kΩ || pF
Temperature coefficient of frequency			TC_f	—	–72	—	ppm/K

Frequency response





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