SAW multimedia filters

Series/Type: K9356M

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39389K9356M100		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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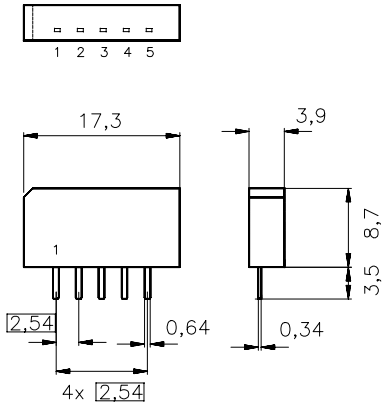
Data Sheet

Standard

- B/G
- D/K
- I
- L

Plastic package **SIP5K**



Dimensions in mm, approx. weight 1,0 g

Features

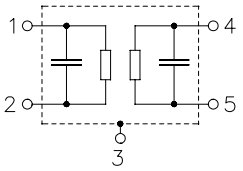
- TV IF audio filter with passband for sound carriers at 32,40 MHz (D/K, L), 32,90 MHz (I) and 33,40 MHz (B/G)

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 9356 M	B39389-K9356-M100	C61157-A1-A15	F61074-V8067-Z000

Maximum ratings

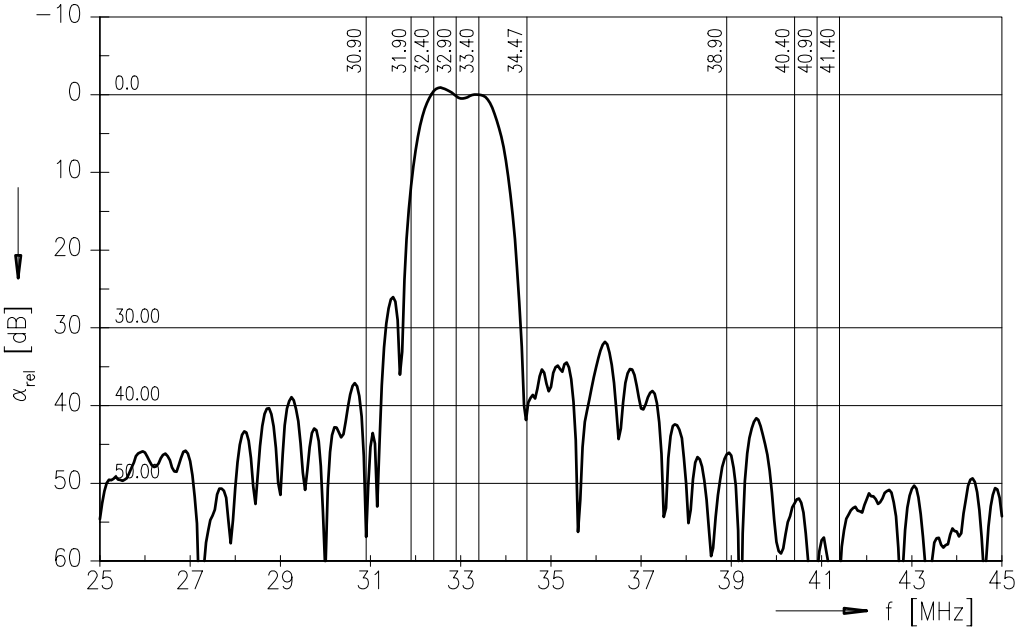
Operable temperature range	T_A	–25/+65	°C	
Storage temperature range	T_{stg}	–40/+85	°C	
DC voltage	V_{DC}	5	V	between any terminals
AC voltage	V_{pp}	10	V	between any terminals

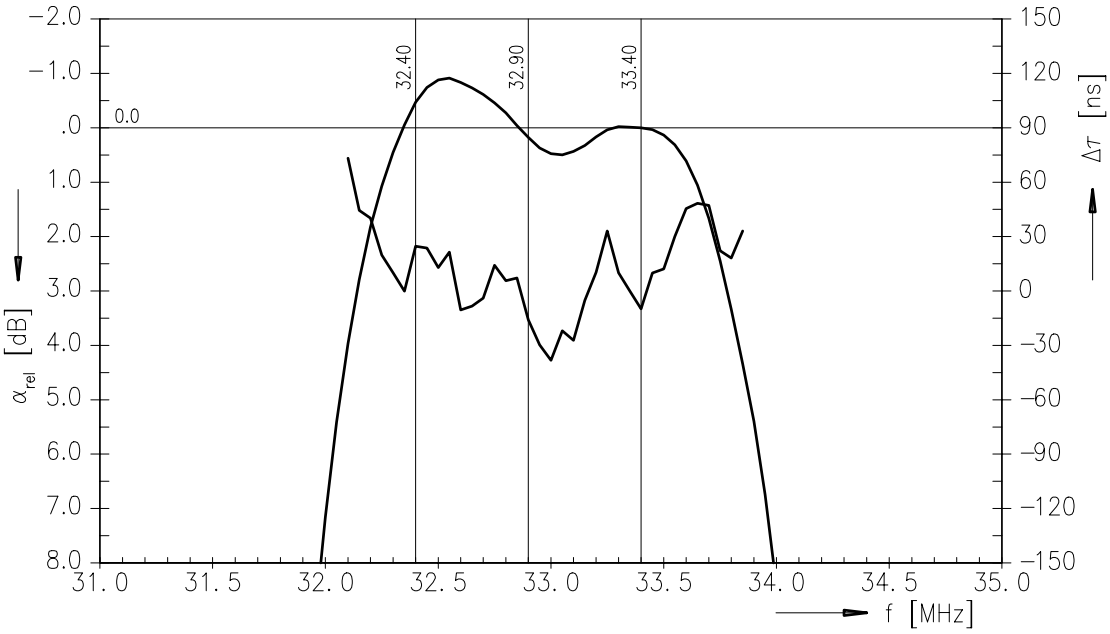
Characteristics

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		33,40 MHz		9,1	10,6	12,1	dB
Relative attenuation			α_{rel}				
Sound carrier		32,40 MHz		–1,4	–0,4	0,6	dB
		32,90 MHz		–0,9	0,1	1,1	dB
		33,05 MHz		–0,5	0,5	1,5	dB
Picture carrier		38,90 MHz		40,0	47,0	—	dB
Color carrier		34,47 MHz		33,0	40,0	—	dB
Adjacent picture carrier		30,90 MHz		40,0	55,0	—	dB
		31,90 MHz		9,5	12,0	—	dB
Adjacent sound carrier		40,40 MHz		46,0	54,0	—	dB
		40,90 MHz		46,0	61,0	—	dB
		41,40 MHz		46,0	60,0	—	dB
Lower sidelobe	25,00 ...	30,90 MHz		34,0	38,0	—	dB
Upper sidelobe	38,90 ...	75,00 MHz		35,0	41,0	—	dB
Impedance at 33,40 MHz							
Input: $Z_{IN} = R_{IN} \parallel C_{IN}$				—	0,7 || 11,6	—	kΩ || pF
Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$				—	2,3 || 2,6	—	kΩ || pF
Temperature coefficient of frequency			TC_f	—	–72	—	ppm/K

Frequency response





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