



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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The following products presented in this data sheet are being withdrawn.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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SAW Components
K 9356 M
IF Filter for Audio Applications
38,90 MHz
Data Sheet
Standard

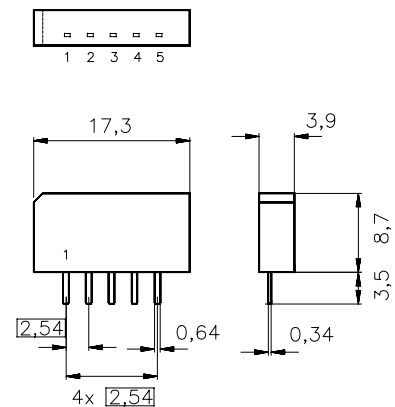
- B/G
- D/K
- I
- L

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

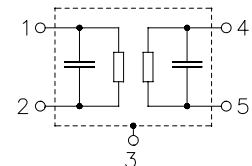
- Tinned CuFe alloy

 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 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

SAW Components
K 9356 M
IF Filter for Audio Applications
38,90 MHz
Data Sheet
Characteristics

Reference temperature:

$T_A = 25\text{ °C}$

Terminating source impedance:

$Z_S = 50\ \Omega$

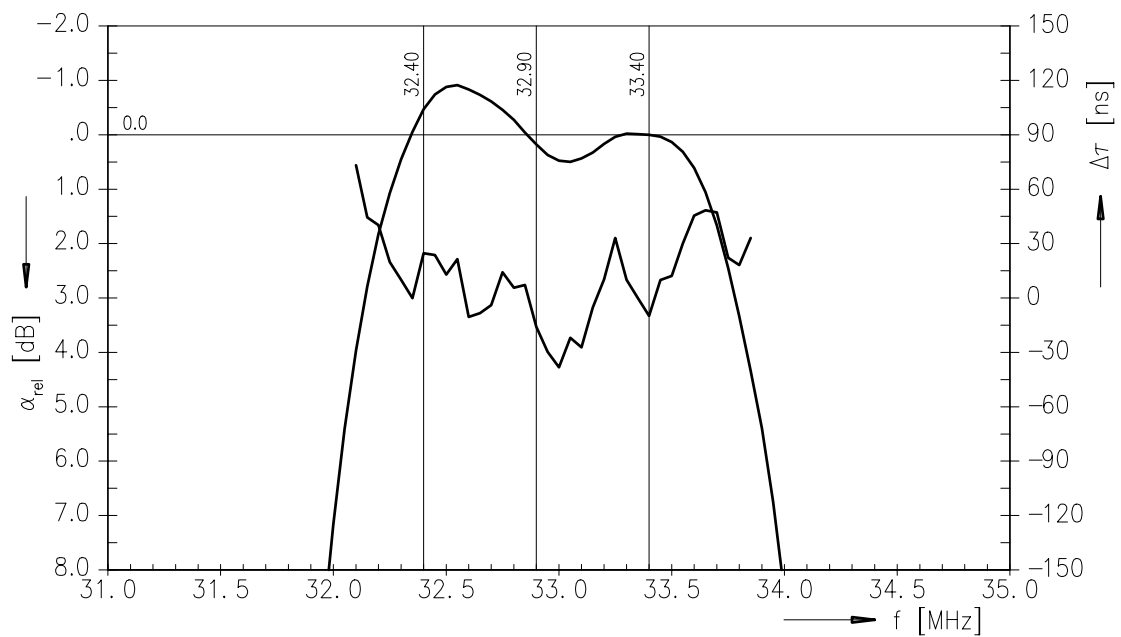
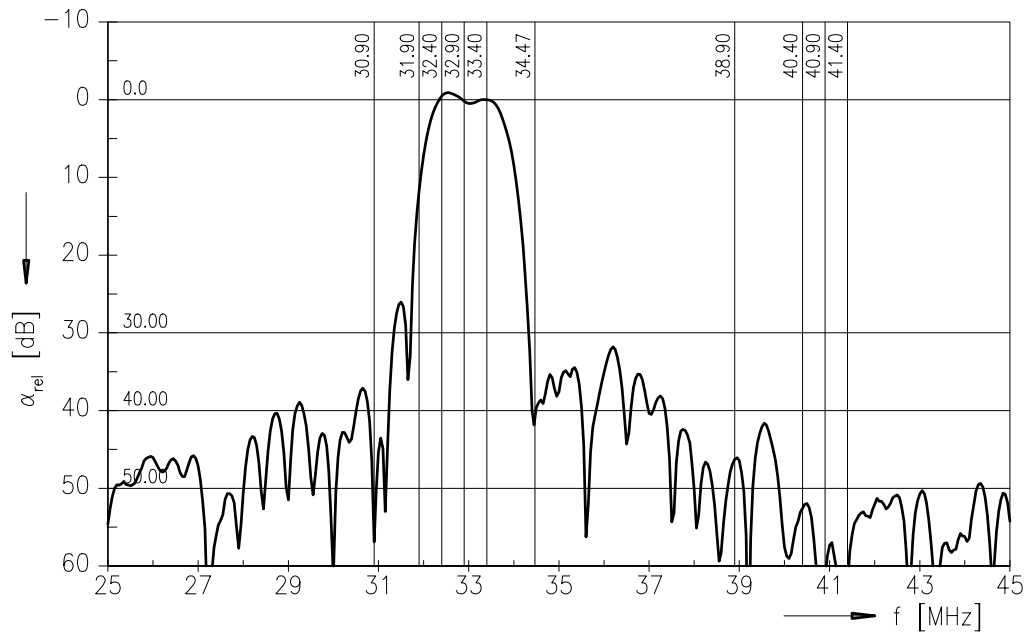
Terminating load impedance:

$Z_L = 2\text{ k}\Omega \parallel 3\text{ pF}$

		min.	typ.	max.	
Insertion attenuation					
	α				
Reference level for the following data	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: $Z_{\text{IN}} = R_{\text{IN}} \parallel C_{\text{IN}}$	—	0,7 \parallel 11,6	—	k Ω \parallel pF
	Output: $Z_{\text{OUT}} = R_{\text{OUT}} \parallel C_{\text{OUT}}$	—	2,3 \parallel 2,6	—	k Ω \parallel pF
Temperature coefficient of frequency	TC_f	—	-72	—	ppm/K

Data Sheet

Frequency response



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For questions on technology, prices and delivery please contact the sales offices of EPCOS AG or the international representatives.

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