



SAW multimedia filters

Series/Type: G9353M

The following products presented in this data sheet are being withdrawn.

Ordering Code	Substitute Product	Date of Withdrawal	Deadline Last Orders	Last Shipments
B39389G9353M100		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.

**SAW Components****G 9353 M****IF Filter for Audio Applications****38,90 MHz****Data Sheet****Standard**Plastic package **SIP5K**

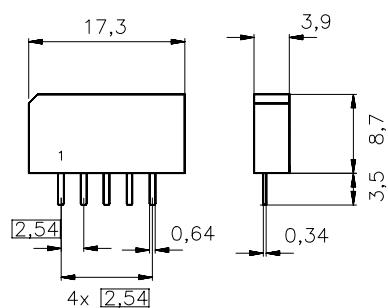
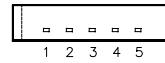
- B/G

Features

- TV IF audio filter with two passbands for sound carrier at 33,40 MHz and 33,05 MHz (NICAM)

Terminals

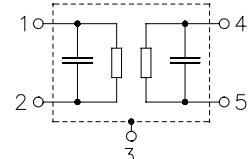
- Tinned CuFe alloy



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
G 9353 M	B39389-G9353-M100	C61157-A1-A15	F61074-V8067-Z000

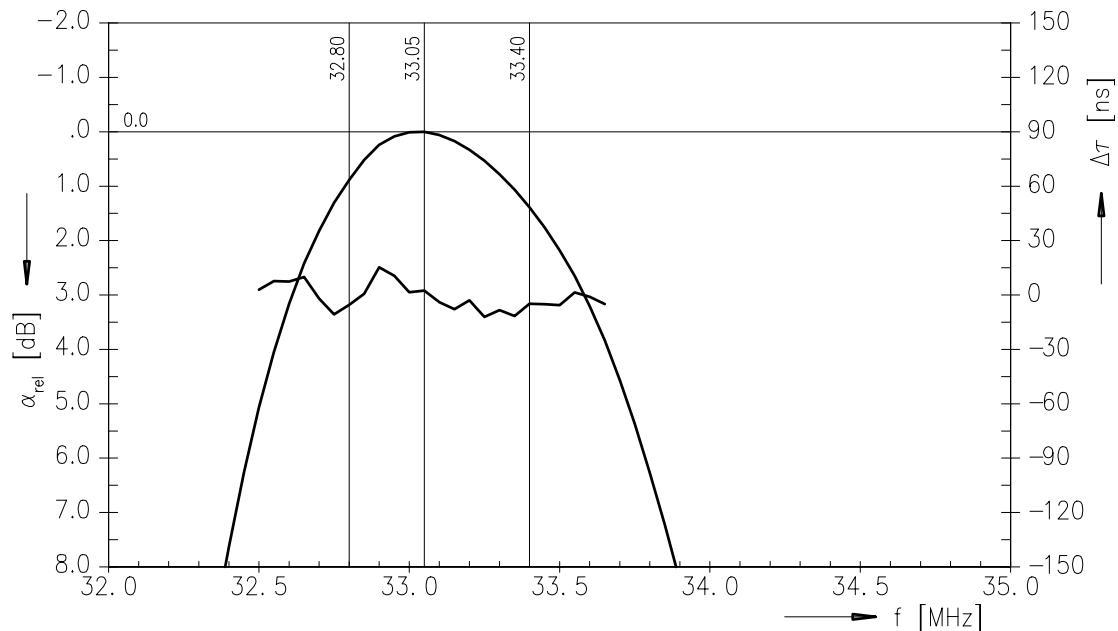
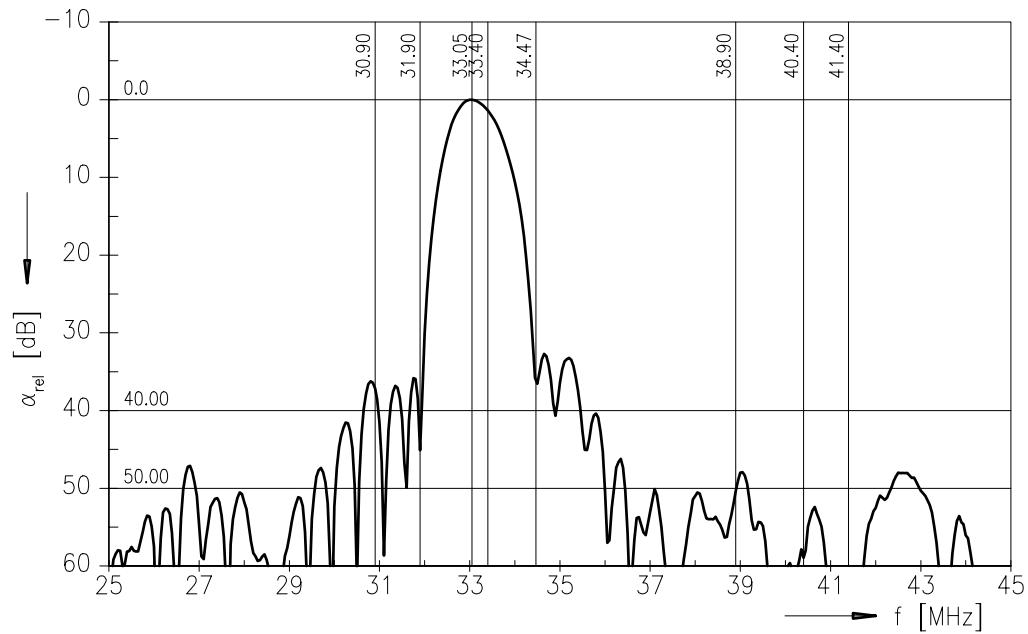
Maximum ratings

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****G 9353 M****IF Filter for Audio Applications****38,90 MHz****Data Sheet****Characteristics**

Reference temperature: $T_A = 25^\circ\text{C}$
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	33,05 MHz	11,6	13,1	14,6	dB
Relative attenuation	α_{rel}				
Sound carrier	33,40 MHz	0,4	1,4	2,4	dB
	32,80 MHz	—	0,9	—	dB
Picture carrier	38,90 MHz	40,0	55,0	—	dB
Color carrier	34,47 MHz	26,0	34,0	—	dB
Adjacent picture carrier	30,90 MHz	31,0	36,0	—	dB
	31,90 MHz	33,0	41,0	—	dB
Adjacent sound carrier	40,40 MHz	40,0	55,0	—	dB
	41,40 MHz	40,0	56,0	—	dB
Lower sidelobe	25,00 ... 31,90 MHz	30,0	36,0	—	dB
Upper sidelobe	40,40 ... 45,00 MHz	37,0	46,0	—	dB
Group delay ripple (p-p)	$\Delta\tau$	—	40	—	ns
Impedance at 33,05 MHz					
Input: $Z_{\text{IN}} = R_{\text{IN}} \parallel C_{\text{IN}}$	—	1,2 \parallel 10,3	—	—	$\text{k}\Omega \parallel \text{pF}$
Output: $Z_{\text{OUT}} = R_{\text{OUT}} \parallel C_{\text{OUT}}$	—	3,4 \parallel 2,9	—	—	$\text{k}\Omega \parallel \text{pF}$
Temperature coefficient of frequency	TC_f	—	-72	—	ppm/K

Data Sheet
Frequency response




SAW Components

G 9353 M

IF Filter for Audio Applications

38,90 MHz

Data Sheet

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Surface Acoustic Wave Components Division, SAW CE MM PD

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