EPCOS

SAW Components

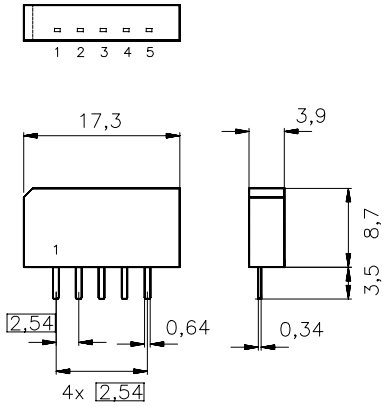
Data Sheet G 9251 M

Data Sheet

Standard

- B/G
- L

Plastic package **SIP5K**



Dimensions in mm, approx. weight 1,0 g

Features

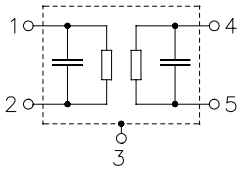
- TV IF audio filter with two passbands for picture and sound carrier
- Sound carriers at 33,40 MHz (B/G) and 33,05 MHz (B/G, L NICAM)

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
G 9251 M	B39389-G9251-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

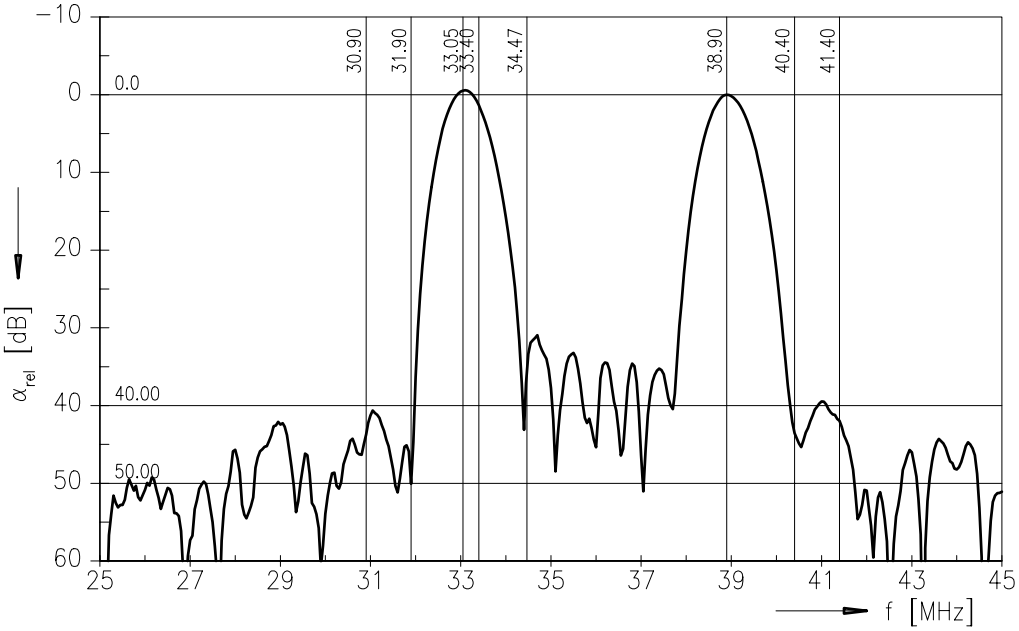
Data Sheet

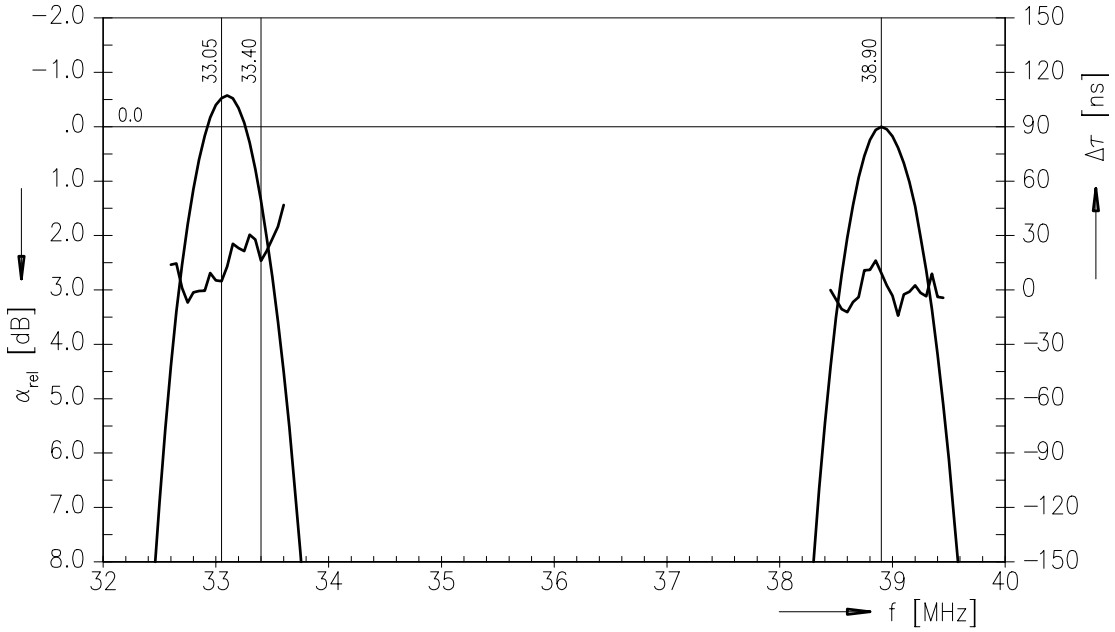
Characteristics

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	38,90	MHz		16,9	18,4	19,9	dB
Relative attenuation			α_{rel}				
Sound carrier	33,40	MHz		0,1	1,1	2,1	dB
	33,05	MHz		–1,4	–0,4	0,6	dB
	32,90	MHz		–0,7	0,3	1,3	dB
Color carrier	34,47	MHz		26,0	40,0	—	dB
Adjacent picture carrier	30,90	MHz		38,0	47,0	—	dB
	31,90	MHz		38,0	48,0	—	dB
Adjacent sound carrier	40,40	MHz		32,0	41,0	—	dB
	41,40	MHz		34,0	42,0	—	dB
Lower sidelobe	25,00 ...	31,90	MHz	34,0	40,0	—	dB
Upper sidelobe	40,40 ...	45,00	MHz	30,0	38,0	—	dB
Group delay ripple (p-p)			Δτ	—	50	—	ns
Impedance at 33,40 MHz							
Input: $Z_{IN} = R_{IN} \parallel C_{IN}$				—	1,3 ‖ 10,2	—	kΩ || pF
Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$				—	7,7 ‖ 4,6	—	kΩ || pF
Temperature coefficient of frequency			TC_f	—	–72	—	ppm/K

Frequency response





Published by EPCOS AG
Surface Acoustic Wave Components Division, SAW CE MM PD
P.O. Box 80 17 09, D-81617 München

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