



SAW Components

Data Sheet K 9363 D





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IF Filter for Audio Applications

38,90 MHz

Data Sheet

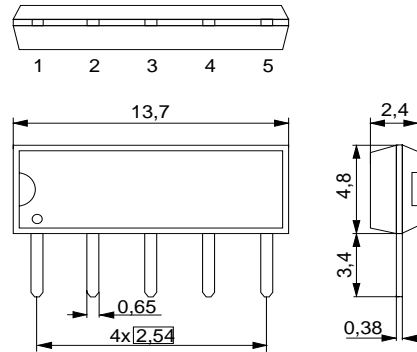
Standard

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

Duroplast package **SIP5D**

Features

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



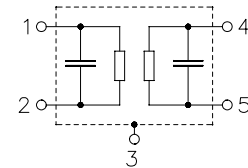
Terminals

- Tinned CuFe alloy

Dimensions in mm, approx. weight 0,5 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 9363 D	B39389-K9363-N201	C61157-A1-A21	F61074-V8049-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



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Characteristics

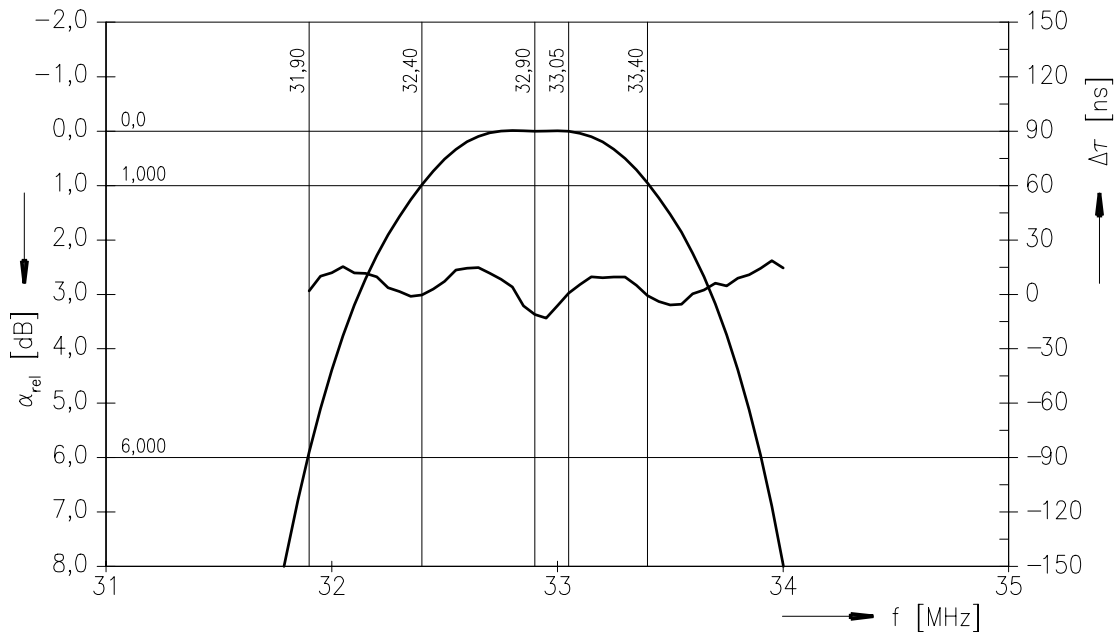
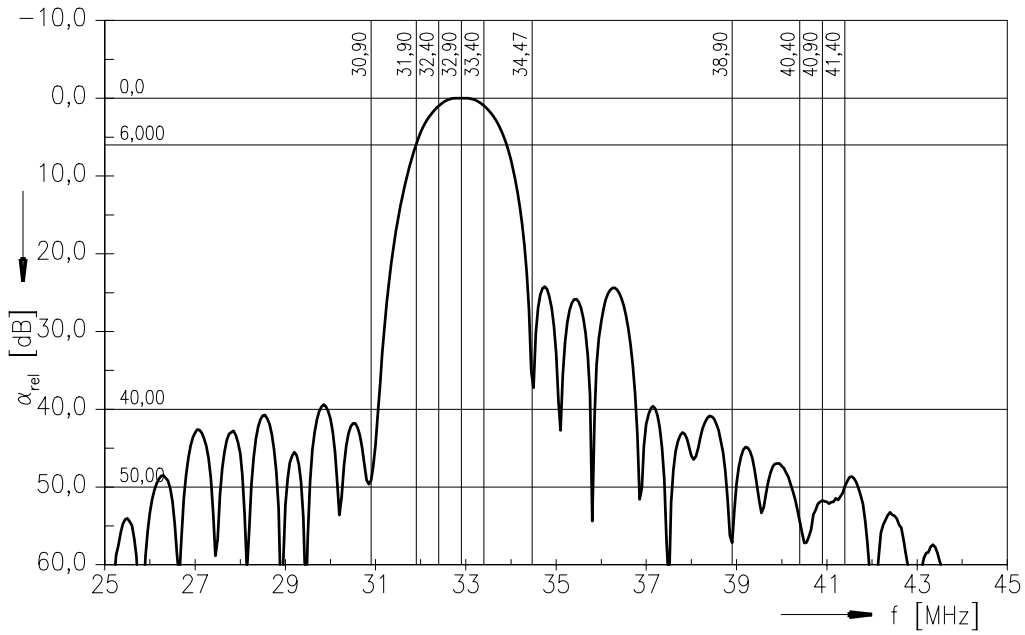
Reference temperature: $T_A = 25\text{ °C}$
 Terminating source impedance: $Z_S = 50\ \Omega$
 Terminating load impedance: $Z_L = 2\text{ k}\Omega \parallel 3\text{ pF}$

				min.	typ.	max.	
Insertion attenuation							
			α				
Reference level for the following data	32,90		MHz	8,9	10,4	11,9	dB
Relative attenuation							
			α_{rel}				
Sound carrier	33,40		MHz	0,0	1,0	2,0	dB
	32,40		MHz	0,1	1,1	2,1	dB
	33,05		MHz	-0,9	0,1	1,1	dB
Picture carrier	38,90		MHz	42,0	61,0	—	dB
Color carrier	34,47		MHz	23,0	33,0	—	dB
Adjacent picture carrier	30,90		MHz	40,0	57,0	—	dB
	31,90		MHz	—	6,1	—	dB
Adjacent sound carrier	40,40		MHz	42,0	54,0	—	dB
	40,90		MHz	42,0	52,0	—	dB
	41,40		MHz	42,0	51,0	—	dB
Lower sidelobe	25,00	...	30,90 MHz	34,0	40,0	—	dB
Upper sidelobe	38,90	...	45,00 MHz	37,0	45,0	—	dB
Impedance at 32,90 MHz							
			Input: $Z_{IN} = R_{IN} \parallel C_{IN}$	—	0,8 11,9	—	k Ω pF
			Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$	—	3,0 3,5	—	k Ω pF
Temperature coefficient of frequency							
			TC_f	—	-72	—	ppm/K



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Frequency response





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This brochure replaces the previous edition.

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