



SAW Components

Data Sheet J 9361 D

Data Sheet



EPCOS



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J 9361 D

IF Filter for Audio Applications

39,50 MHz

Data Sheet

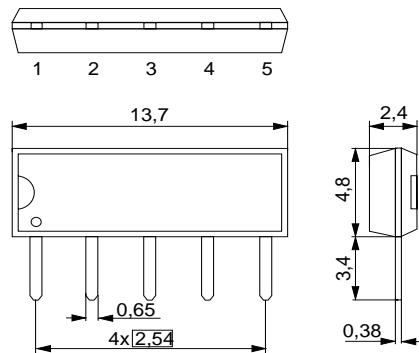
Standard

Duroplast package SIP5D



Features

- TV IF audio filter with pass band only for sound carriers at 33,50 MHz and at 32,95 MHz (I NICAM)
- Standard IC package



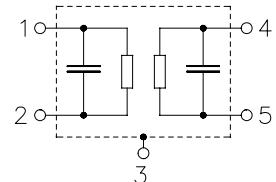
Terminals

- 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
J 9361 D	B39395-J9361-N201	C61157-A1-A21	F61074-V8049-Z000

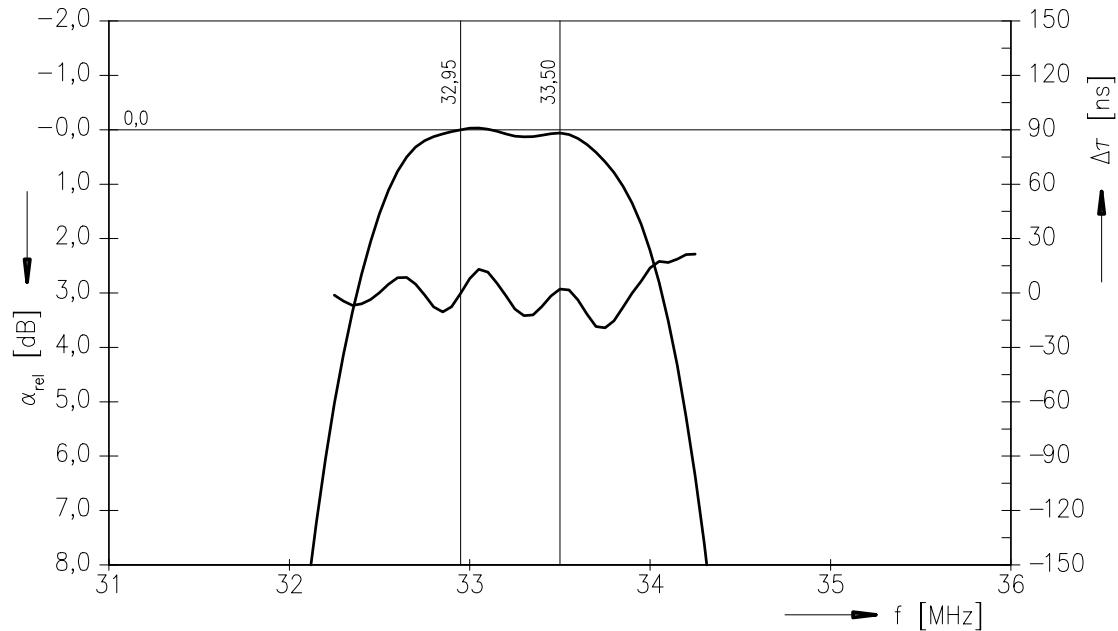
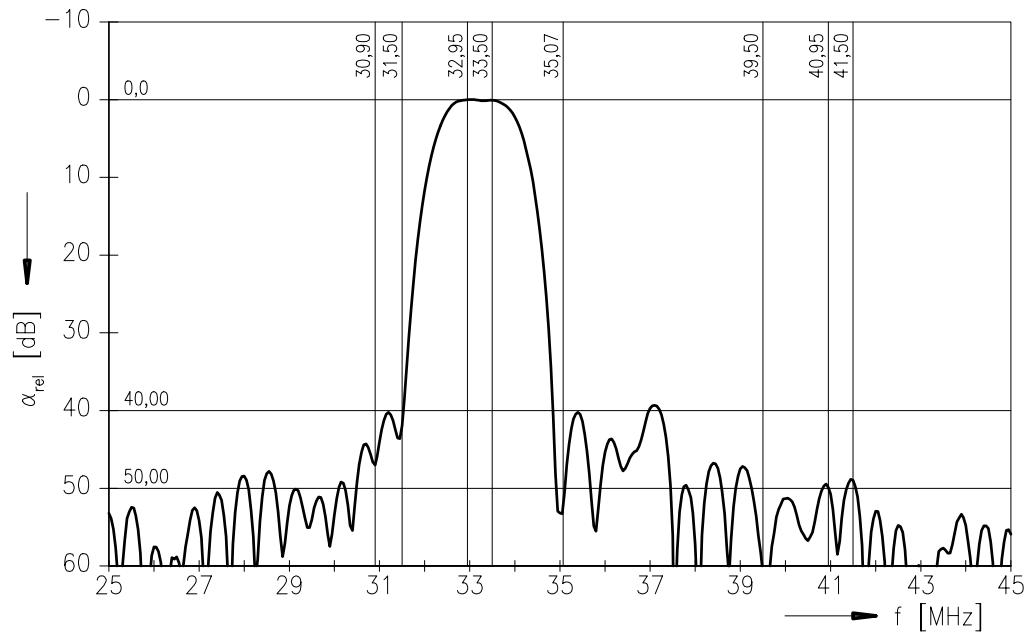
Maximum ratings

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

**SAW Components****J 9361 D****IF Filter for Audio Applications****39,50 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	32,95 MHz	8,0	9,5	11,0	dB
Relative attenuation	α_{rel}				
Sound carrier	33,50 MHz	-0,9	0,1	1,1	dB
Picture carrier	39,50 MHz	46,0	57,0	—	dB
Color carrier	35,07 MHz	35,0	48,0	—	dB
Adjacent picture carrier	31,50 MHz	34,0	42,0	—	dB
Adjacent sound carrier	41,50 MHz	45,0	51,0	—	dB
	40,95 MHz	45,0	50,0	—	dB
Lower sidelobe	25,00 ... 30,90 MHz	38,0	45,0	—	dB
Upper sidelobe	39,50 ... 45,00 MHz	42,0	49,0	—	dB
Impedance at 32,95 MHz					
Input: $Z_{\text{IN}} = R_{\text{IN}} \parallel C_{\text{IN}}$	—	0,8 \parallel 14,7	—	k Ω \parallel pF	
Output: $Z_{\text{OUT}} = R_{\text{OUT}} \parallel C_{\text{OUT}}$	—	2,2 \parallel 4,1	—	k Ω \parallel pF	
Temperature coefficient of frequency	TC_f	—	-72	—	ppm/K

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Frequency response




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Surface Acoustic Wave Components Division, SAW CE MM PD

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