



SAW Components

Data Sheet J 9361 D





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J 9361 D

IF Filter for Audio Applications

39,50 MHz

Data Sheet

Standard

Duroplast package **SIP5D**

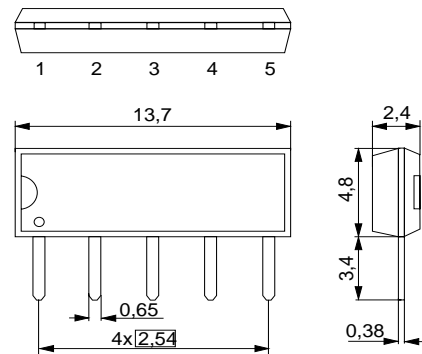
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Features

- 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

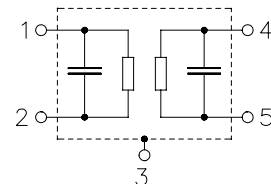
- Tinned CuFe alloy



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



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Characteristics

Reference temperature:

$$T_A = 25 \text{ }^{\circ}\text{C}$$

Terminating source impedance:

$$Z_S = 50 \text{ } \Omega$$

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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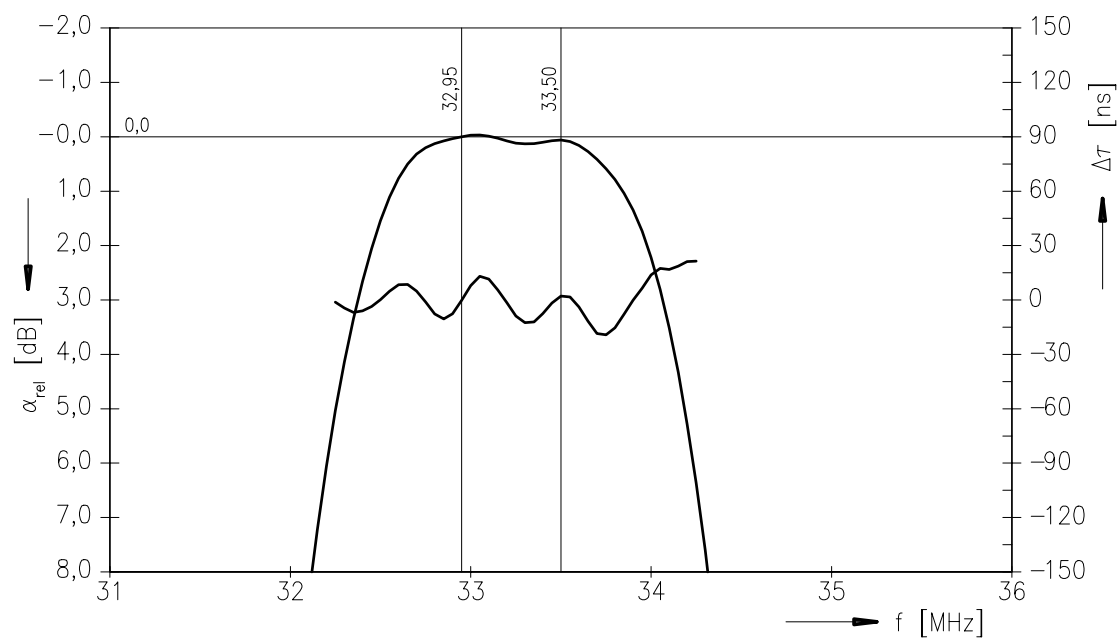
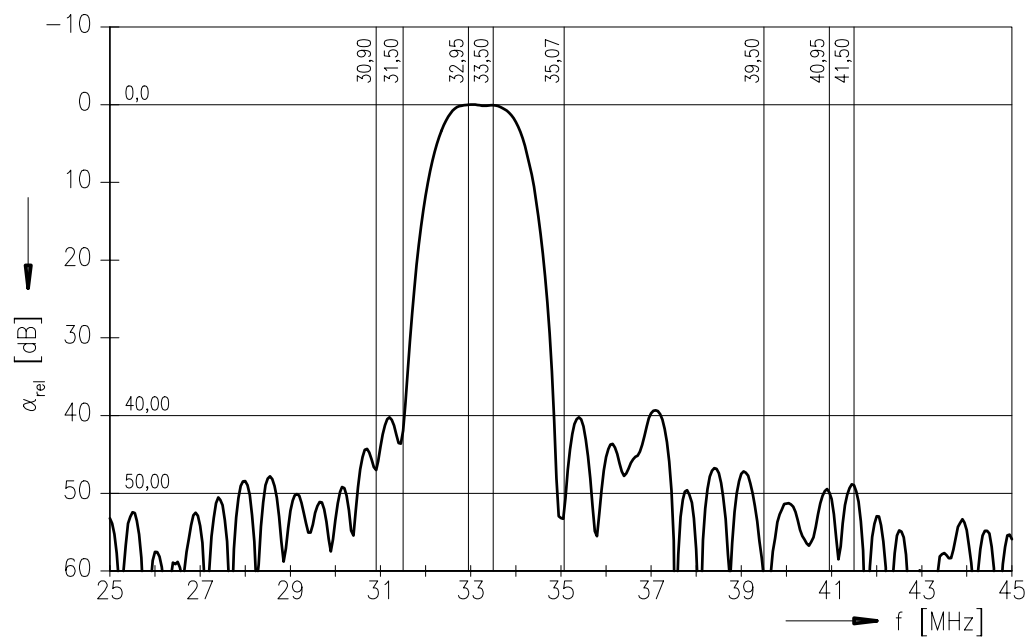
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Frequency response





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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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