EPCOS

SAW Components

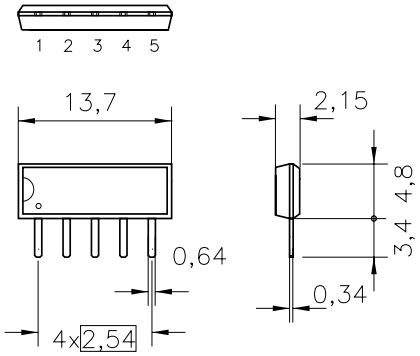
Data Sheet K 9661 D

Data Sheet

Standard

- L'
- M/N

Duroplast package **SIP5D**



Dimensions in mm, approx. weight 0,5 g

Features

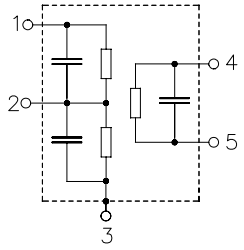
- TV IF audio filter with two channels
- Channel 1 (L') with one pass band for sound carrier at 40,40 MHz
- Channel 2 (M/N) with one pass band for sound carrier at 34,40 MHz
- Standard IC package

Terminals

- Tinned CuFe alloy

Pin configuration

1	Input
2	Switching Input
3	Chip carrier - ground
4	Output
5	Output



Type	Ordering code	Marking and package according to	Packing according to
K 9661 D	B39389-K9661-D100	C61157-A1-A18	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

Characteristics of channel 1 (switching pin 2 connected to ground)

Reference temperature: T_A = 25 °C
Terminating source impedance: Z_S = 50 Ω
Terminating load impedance: Z_L = 2 kΩ || 3 pF

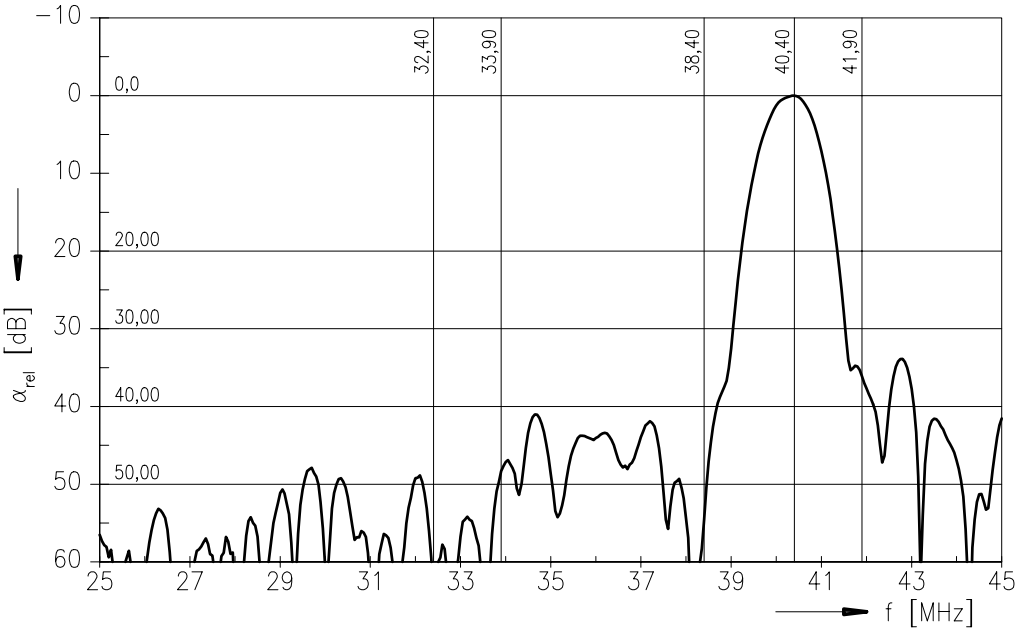
				min.	typ.	max.	
Insertion attenuation			α				
Reference level for the following data		40,40 MHz		11,6	13,1	14,6	dB
Relative attenuation			α_{rel}				
Picture carrier		33,90 MHz		41,0	53,0	—	dB
		38,40 MHz		35,0	53,0	—	dB
Adjacent picture carrier		41,90 MHz		31,0	36,0	—	dB
Adjacent sound carrier		32,40 MHz		45,0	66,0	—	dB
Lower sidelobe	25,00 ...	32,40 MHz		40,0	48,0	—	dB
Upper sidelobe	41,90 ...	45,00 MHz		29,0	34,0	—	dB
Impedance at 40,40 MHz							
Input: $Z_{IN} = R_{IN} \parallel C_{IN}$				—	0,3 || 10,4	—	kΩ || pF
Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$				—	0,5 || 11,3	—	kΩ || pF
Temperature coefficient of frequency			TC_f	—	–72	—	ppm/K

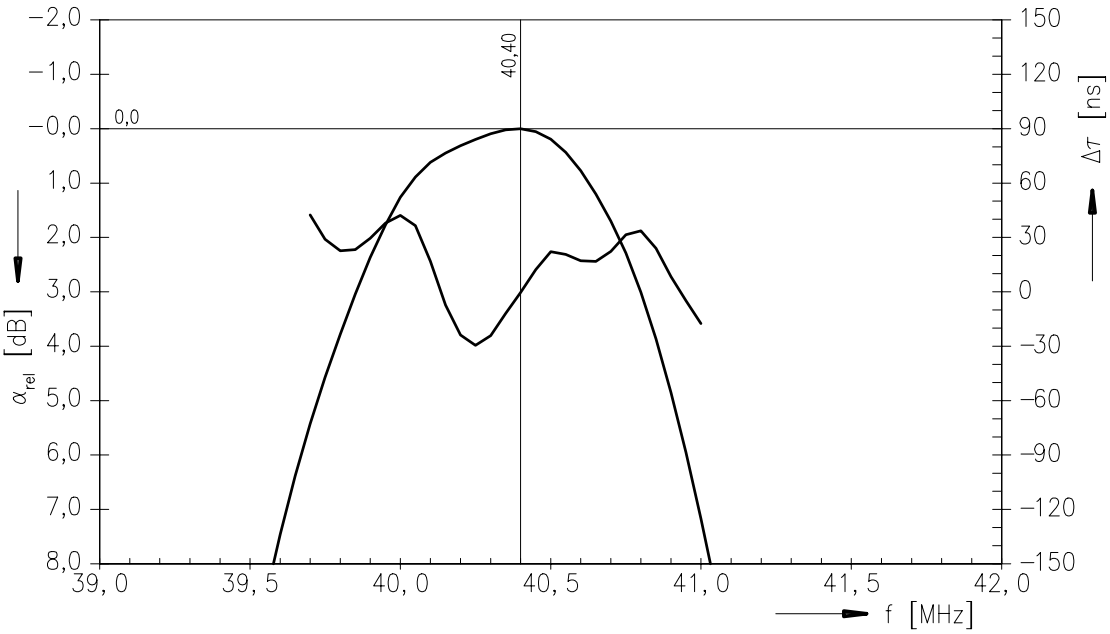
Characteristics of channel 2 (switching pin 2 connected to pin 1)

Reference temperature: T_A = 25 °C
Terminating source impedance: Z_S = 50 Ω
Terminating load impedance: Z_L = 2 kΩ || 3 pF

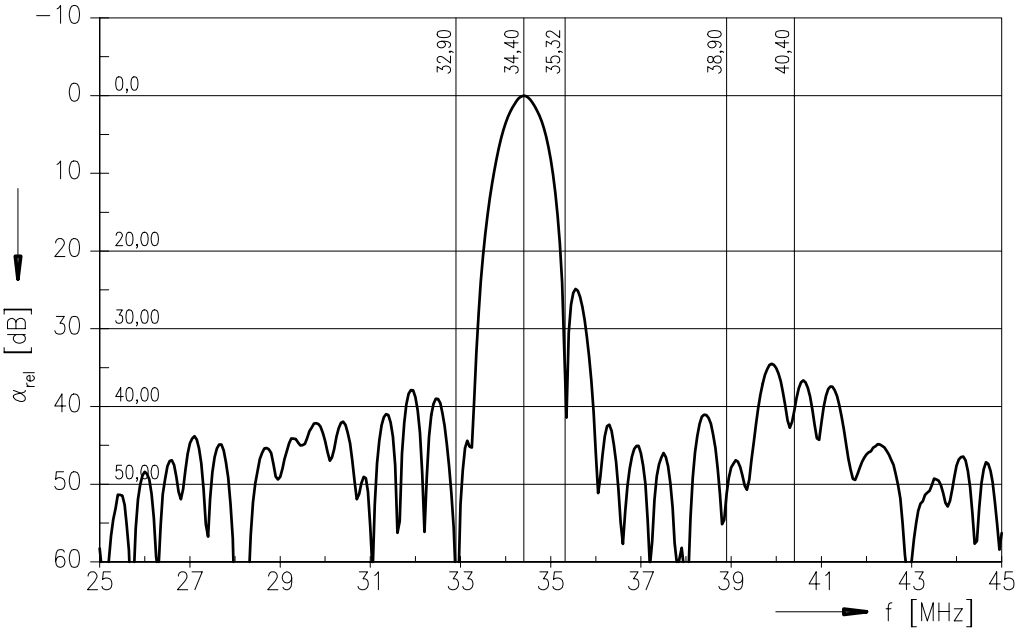
				min.	typ.	max.	
Insertion attenuation			α				
Reference level for the following data		34,40 MHz		10,6	12,1	13,6	dB
Relative attenuation			α_{rel}				
Picture carrier		38,90 MHz		40,0	52,0	—	dB
Color carrier		35,32 MHz		25,0	32,0	—	dB
Adjacent picture carrier		32,90 MHz		40,0	63,0	—	dB
Adjacent sound carrier		40,40 MHz		34,0	41,0	—	dB
Lower sidelobe	25,00 ...	32,90 MHz		30,0	37,0	—	dB
Upper sidelobe	38,90 ...	45,00 MHz		28,0	34,0	—	dB
Impedance at 34,40 MHz							
Input: $Z_{IN} = R_{IN} \parallel C_{IN}$				—	0,3 || 20,4	—	kΩ || pF
Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$				—	0,6 ||14,1	—	kΩ || pF
Temperature coefficient of frequency			TC_f	—	–72	—	ppm/K

Frequency response of channel 1





Frequency response of channel 2



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