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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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SAW Components

Data Sheet G 1965 M

Data Sheet

A large, stylized, 3D-rendered graphic of the EPCOS logo. The word "EPCOS" is written in a bold, sans-serif font, with the letters appearing to be part of a curved, metallic-looking structure. The background is dark and textured, suggesting a circuit board or a similar technical surface.



SAW Components

G 1965 M

IF Filter for Intercarrier Applications

38,90 MHz

Data Sheet

Standard

Plastic package **SIP5K**

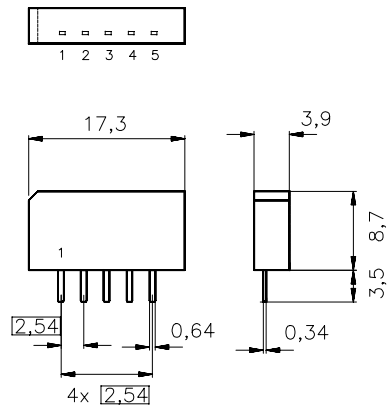
- B/G

Features

- TV IF filter with Nyquist slope and sound shelf
- High color carrier level
- Constant group delay
- Suitable for CENELEC EN 55020

Terminals

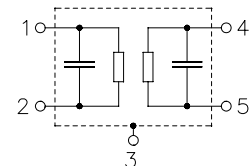
- Tinned CuFe alloy



Dimensions in mm, approx. weight 1,0 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
G 1965 M	B39389-G1965-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


SAW Components
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IF Filter for Intercarrier Applications
38,90 MHz
Data Sheet
Characteristics

Reference temperature:

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

Terminating source impedance:

$Z_S = 50 \text{ } \Omega$

Terminating load impedance:

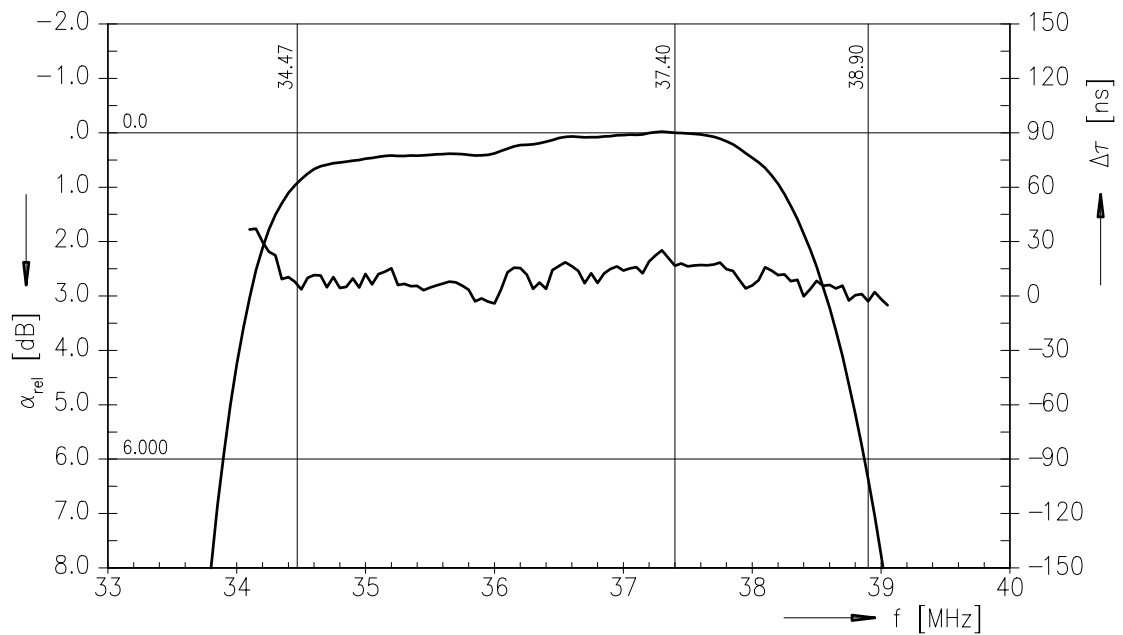
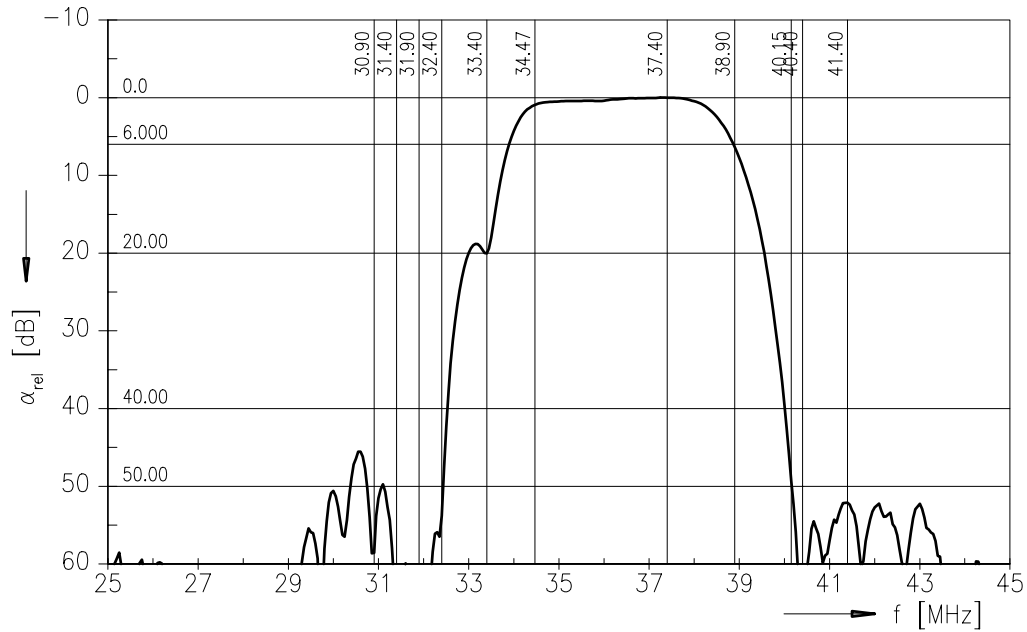
$Z_L = 2 \text{ k}\Omega \parallel 3 \text{ pF}$

		min.	typ.	max.	
Insertion attenuation					
	α				
Reference level for the following data	37,40 MHz	13,6	15,1	16,6	dB
Relative attenuation					
	α_{rel}				
Picture carrier	38,90 MHz	5,0	6,0	7,0	dB
	33,90 MHz	—	6,2	—	dB
Color carrier	34,47 MHz	0,0	1,0	2,0	dB
Sound carrier	33,40 MHz	18,9	20,4	21,9	dB
Adjacent picture carrier UHF	30,90 MHz	45,0	57,0	—	dB
VHF	31,90 MHz	48,0	55,0	—	dB
	31,40 MHz	46,0	61,0	—	dB
	32,40 MHz	48,0	55,0	—	dB
	40,15 MHz	38,0	48,0	—	dB
Adjacent sound carrier VHF	40,40 MHz	44,0	55,0	—	dB
UHF	41,40 MHz	42,0	53,0	—	dB
Lower sidelobe	25,00 ... 31,90 MHz	40,0	47,0	—	dB
Upper sidelobe	40,40 ... 45,00 MHz	38,0	48,0	—	dB
Reflected wave signal suppression					
1,1 μ s ... 6,0 μ s after main pulse (test pulse 250 ns, carrier frequency 37,40 MHz)		42,0	53,0	—	dB
Feedthrough signal suppression					
1,3 μ s ... 1,1 μ s before main pulse (test pulse 250 ns, carrier frequency 37,40 MHz)		50,0	56,0	—	dB
Group delay ripple (p-p)					
	$\Delta\tau$	—	50	—	ns
Impedance at 37,40 MHz					
Input:	$Z_{IN} = R_{IN} \parallel C_{IN}$	—	1,9 \parallel 13,8	—	k Ω \parallel pF
Output:	$Z_{OUT} = R_{OUT} \parallel C_{OUT}$	—	1,5 \parallel 4,8	—	k Ω \parallel pF
Temperature coefficient of frequency					
	TC_f	—	-72	—	ppm/K



Data Sheet

Frequency response





SAW Components

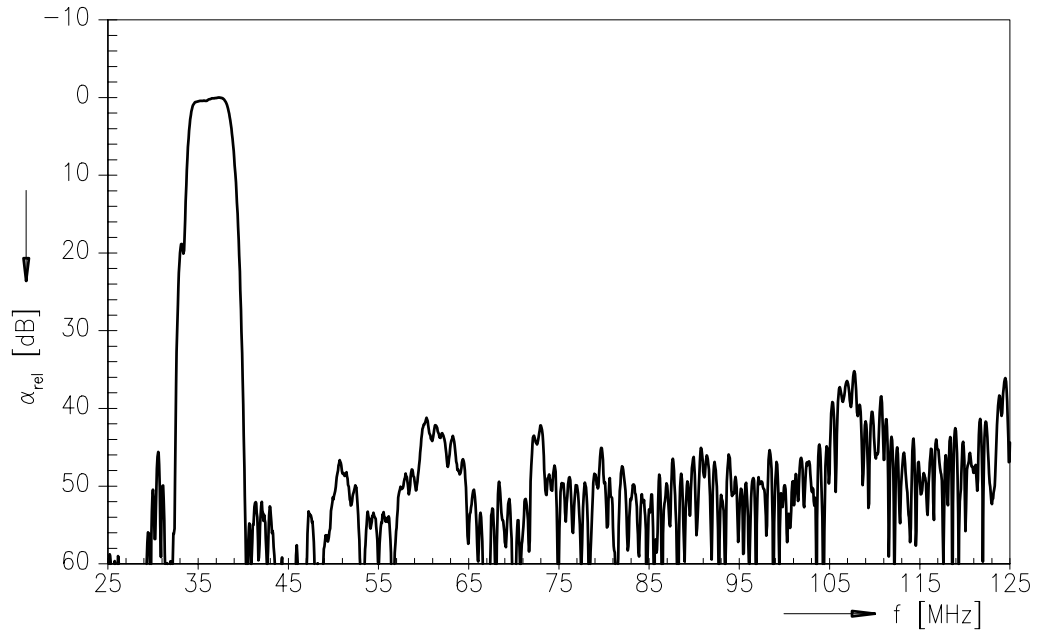
G 1965 M

IF Filter for Intercarrier Applications

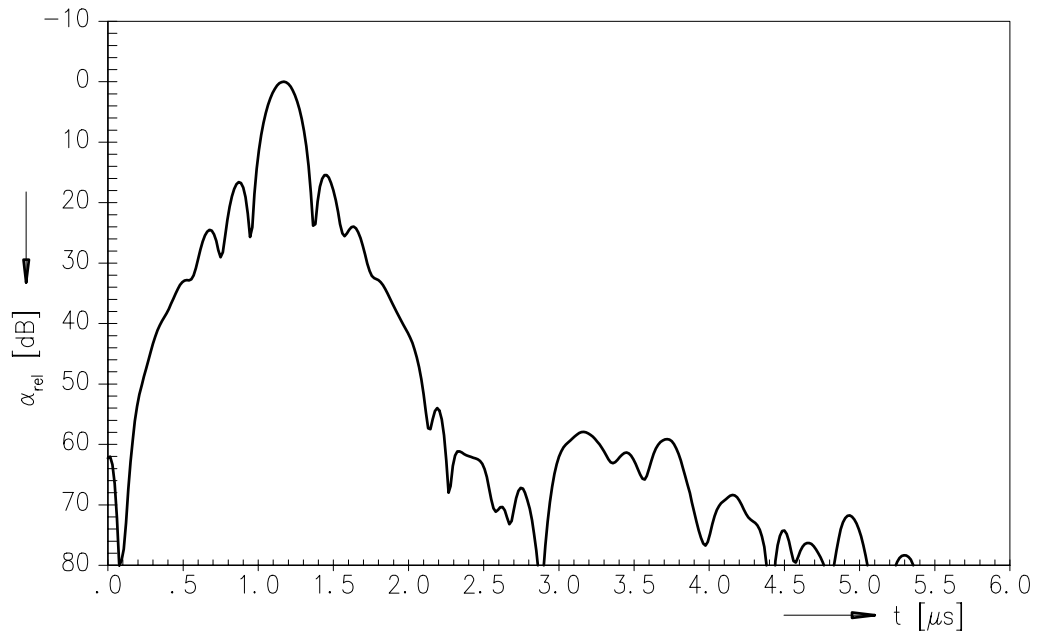
38,90 MHz

Data Sheet

Frequency response



Time domain response





SAW Components

G 1965 M

IF Filter for Intercarrier Applications

38,90 MHz

Data Sheet

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