

SAW Components

Data Sheet G 1985 M





SAW ComponentsG 1985 MIF Filter for Intercarrier Applications38,90 MHz

Data Sheet

Standard

B/G

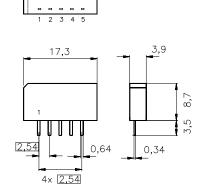
Features

- TV IF filter with Nyquist slope and sound shelf
- High color carrier level
- Reduced group delay predistortion as compared with standard B/G, half
- Extended sound shelf for NICAM reception
- Suitable for CENELEC EN 55020

Terminals

Tinned CuFe alloy

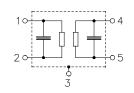
Plastic package SIP5K



Dimensions in mm, approx. weight 1,0 g

Pin configuration

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



Туре	Ordering code	Marking and package according to	Packing according to
G 1985 M	B39389-G1985-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}	5	V	between any terminals
AC voltage	$V_{\rm pp}$	10	V	between any terminals

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Characteristics				
Reference temperature: $T_A = 25 \degree O$ Terminating source impedance: $Z_S = 50 \Omega$ Terminating load impedance: $Z_L = 2 \ k\Omega$				
	min.	typ.	max.	
Insertion attenuationαReference level for the37,40 MHzfollowing data37,40 MHz	11,6	13,1	14,6	dB
Relative attenuation α_{rel}				
Picture carrier38,90MHzColor carrier34,47MHzSound carrier33,40MHzNICAM sound carrier33,05MHzAdjacent picture carrier30,90MHz31,40MHz31,4031,90MHz32,4040,15MHz40,15MHz40,40MHz41,40MHzUpper sidelobe25,0040,4045,00MHzMHzUpper sidelobe40,401,2 μs6,0 μs after main pulse(test pulse 250 ns, carrier frequency 37,40 MHz)	5,2 -0,8 12,9 49,0 50,0 36,0 44,0 50,0 44,0 43,0 44,0 43,0 44,0	6,2 0,2 14,4 14,5 56,0 60,0 63,0 43,0 56,0 60,0 60,0 48,0 50,0 52,0	7,2 1,2 15,9 	dB dB dB dB dB dB dB dB dB dB dB dB dB d
Feedthrough signal suppression 1,2 μs 1,1 μs before main pulse (test pulse 250 ns, carrier frequency 37,40 MHz)	50,0	56,0	_	dB
Group delay predistortion $\Delta \tau$				
(reference frequency 38,90 MHz) 36,90 MHz 34,47 MHz	_	-90 70	_	ns ns
Impedance at 37,40 MHz Input: $Z_{IN} = R_{IN} \parallel C_{IN}$ Output: $Z_{OUT} = R_{OUT} \parallel C_{OUT}$	_	1,3 18,4 1,9 4,2	_	kΩ pF kΩ pF

Mar 31, 2006

 $TC_{\rm f}$

_

-72

ppm/K

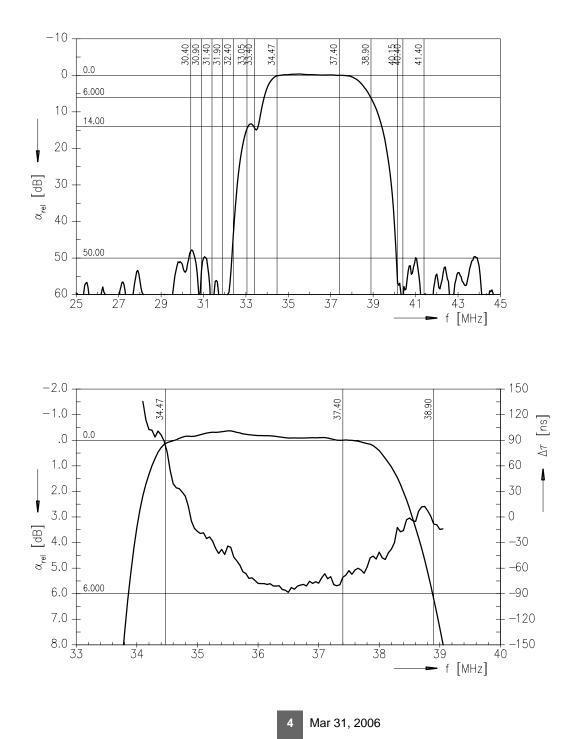
Temperature coefficient of frequency



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Frequency response

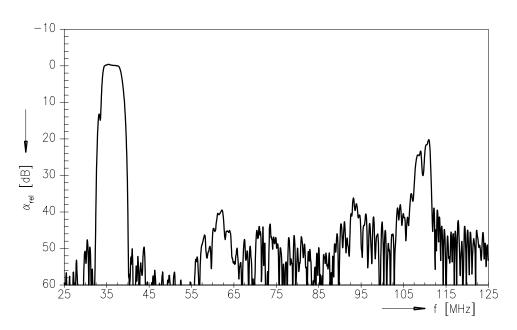




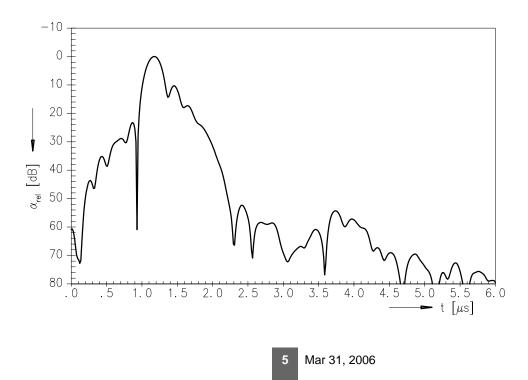
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Frequency response



Time domain response





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