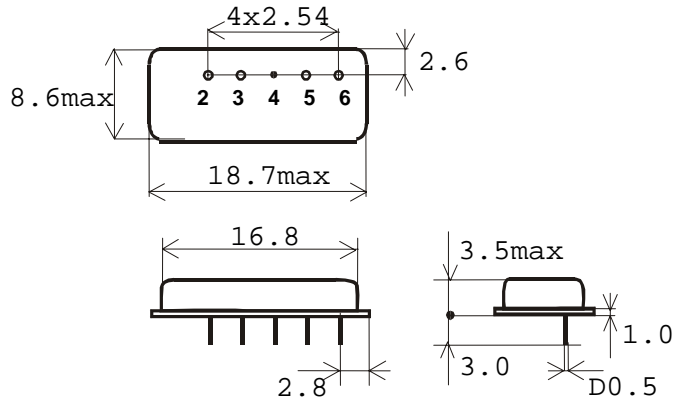
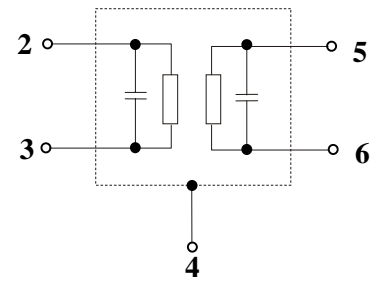


**K2011**

IF filter for intercarrier application  
(IF= 38.0 MHz. standard B/G-CCIR, D/K-OIRT)



Package SIP6M



Pin configuration

2 - Input

3 - Input - ground

4 - Chip carrier - ground

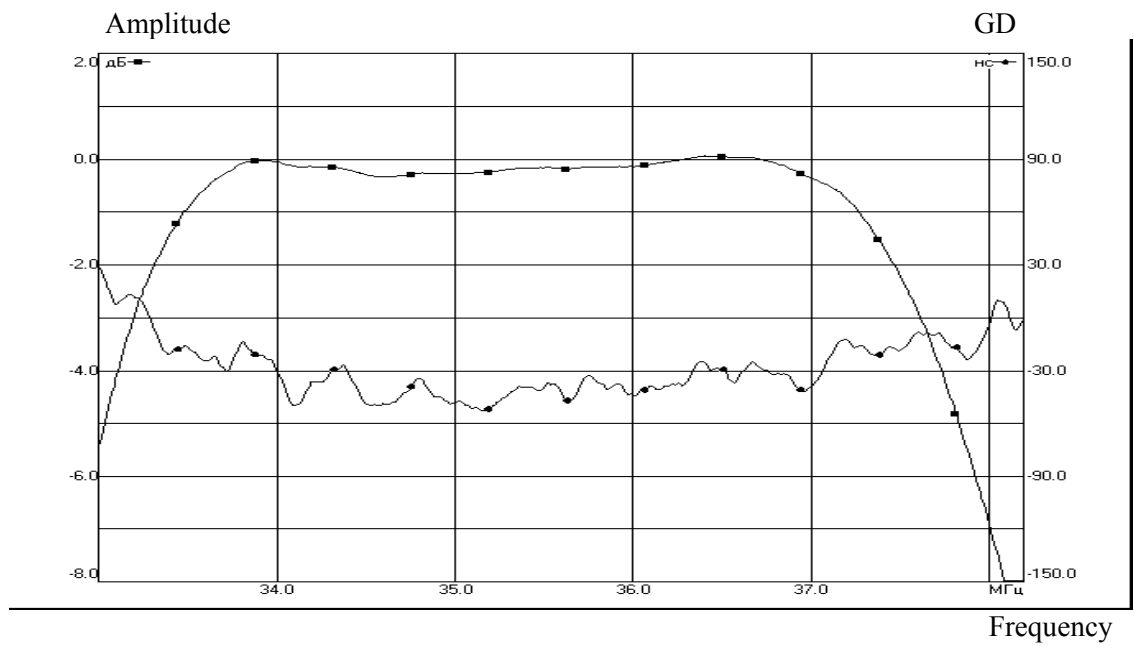
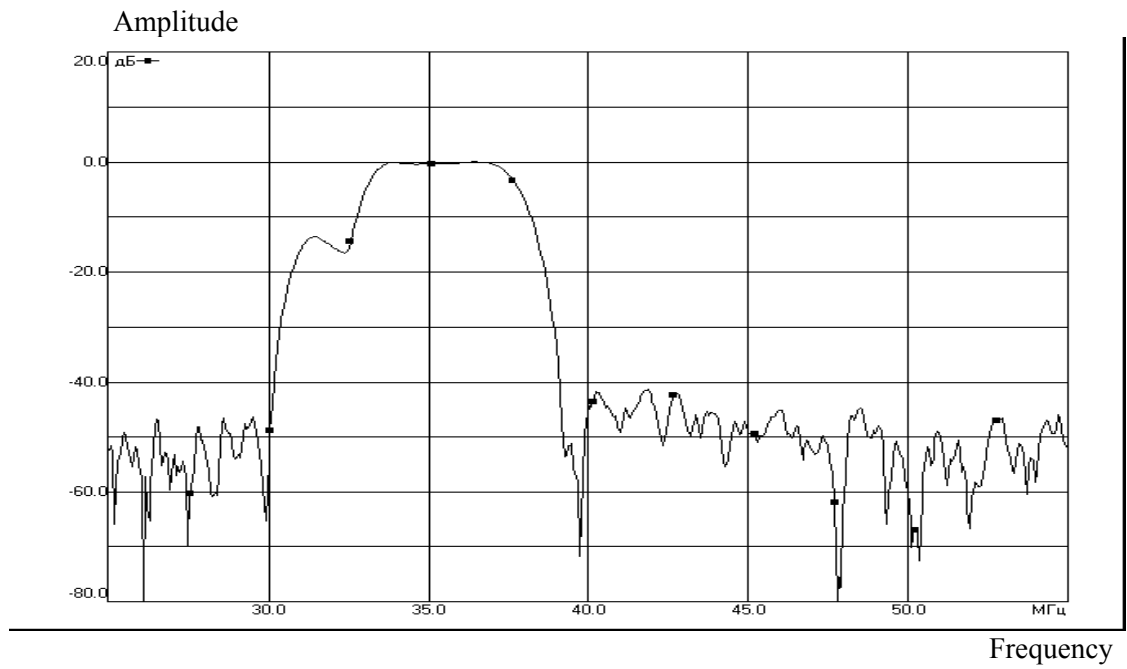
5 - Output

6 - Output

Characteristics (measuring conditions:  $T=25^{\circ}\text{C}$ ,  $Z_{\text{source}}=50\ \Omega$ ,  $Z_{\text{load}}=2\text{k}\Omega//3\text{pF}$ )

Parameter	min.	max.	type	unit
Insertion attenuation at 36,5MHz (reference level for the following data)		16,7	15,2	dB
Relative attenuation:				
Picture carrier 38,0 MHz	5,5	7,5	6,5	dB
Color carrier 33,57 MHz		1,8	0,8	dB
		3,2	2,2	dB
Sound carrier 31,5 MHz	13	15,5	14	dB
	14	17	15,5	dB
Lower sidelobe 15,0-30,0 MHz	40		44	dB
Adjacent picture carrier 30,0 MHz	45		50	dB
Adjacent sound carrier 39,5 MHz	40		50	dB
Upper sidelobe 39,5-42,0 MHz	40		44	dB
	40		42	dB
Amplitude ripple:				
		2,0	0,6	dB
		3,5	2,5	dB
		0,5	0,7	dB
Reflected wave signal suppression 1,2 -6,0 $\mu\text{s}$ after main pulse ( test pulse: 250 ns, carrier frequency 36,5 MHz)	40		46	dB
Feedthrough signal suppression 0,9 - 1,2 $\mu\text{s}$ before main pulse (test pulse: 250 ns, carrier frequency 36,5 MHz)	40		52	dB
Impedance at 36,5MHz				
Input $Z_{\text{in}}=R_{\text{in}}//C_{\text{in}}$			1,3//13,0	$\text{k}\Omega//\text{pF}$
Output $Z_{\text{out}}=R_{\text{out}}//C_{\text{out}}$			3,0//5,0	$\text{k}\Omega//\text{pF}$
Group delay predistortion (reference frequency 38,0 MHz)				
			0	ns
			-50	ns
Temperature coefficient of frequency			-72	ppm/ $^{\circ}\text{K}$

## Frequency response



## Maximum ratings

Min ambient temperature	-10°C
Max ambient temperature	55°C
Min storage temperature	-60°C
Max storage temperature	55°C
DC voltage ( between any terminals)	12 V
AC voltage ( between any terminals)	10 V