

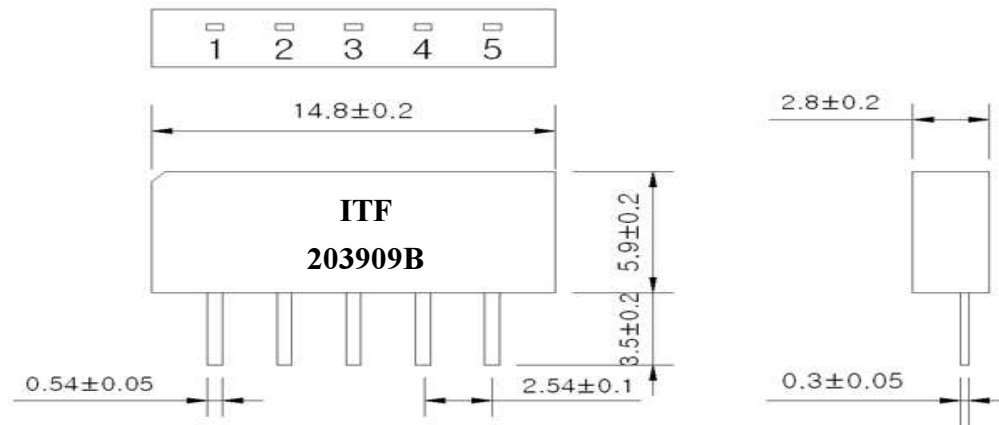
SAW Bandpass Filter 203909B



1. Features

- IF Bandpass Filter for CATV
- Plastic Package

2. Package Dimension



Package : SIP5D

Dimensions shown are nominal in millimeters
Tinned CuFe alloy

Pin Configuration	
1	Input
2	Input ground
3	Case ground
4	Output
5	Output

Parameter	Unit	Minimum	Typical	Maximum
Storage Temperature Range	°C	-40	25	85

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203909B	
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		Rev.	NT4005-CS01	1/5

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3. Specifications

F_o = 43.75 MHz

Terminating source impedance : 50Ω

Terminating load impedance : 2KΩ // 3pF

		Minimum	Typical	Maximum
Center Frequency	MHz	-	43.75	-
Insertion Loss (Reference Level : 43.81 MHz)	dB	12.8	14.8	16.8
3dB Bandwidth	MHz	-	6.0	-
30dB Bandwidth	MHz	-	7.66	-
SideLobe				
35.06 ~ 39.06 MHz	dB	36.0	45.0	
39.06 ~ 39.81 MHz	dB	34.0	42.0	
47.81 ~ 50.06 MHz	dB	34.0	42.0	
50.06 ~ 55.06 MHz	dB	36.0	46.0	
Relative Attenuation				
41.28 MHz	dB	-	0.3	-
46.34 MHz	dB	-1.3	0.2	1.7
40.81 MHz	dB	1.1	2.7	4.3
46.81 MHz	dB	1.1	2.7	4.3
39.81 MHz	dB	36.0	45.0	
47.81 MHz	dB	35.0	45.0	
Group Delay Variation (40.81 ~46.81 MHz)	nsec	-	60	-
Absolute Delay	usec	-	1.21	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

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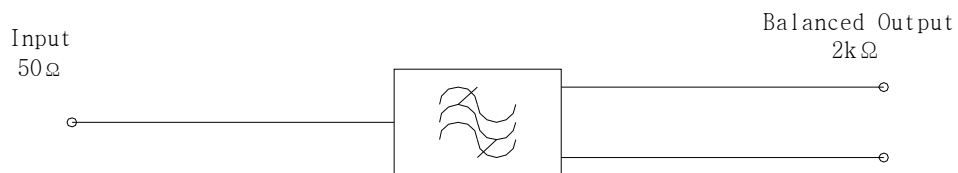


Notes :

- 1) All specifications are based on the matching schematic shown below
- 2) All specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature
- 3) All attenuation measurements are measured relative to insertion loss

4. Matching Schematic

(Actual matching values may vary due to PCB layout and parasitics)



5. Marking Configuration

ITF¹⁾
203909B²⁾

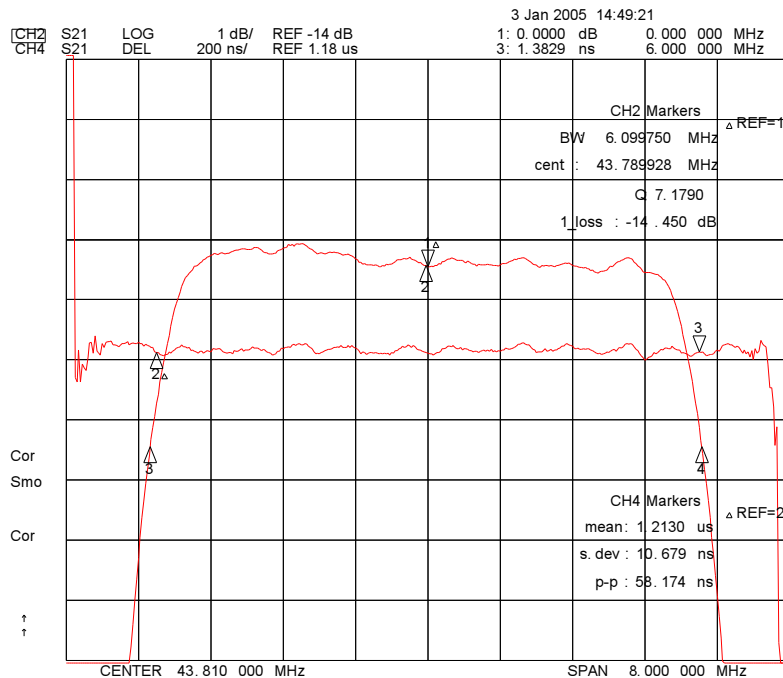
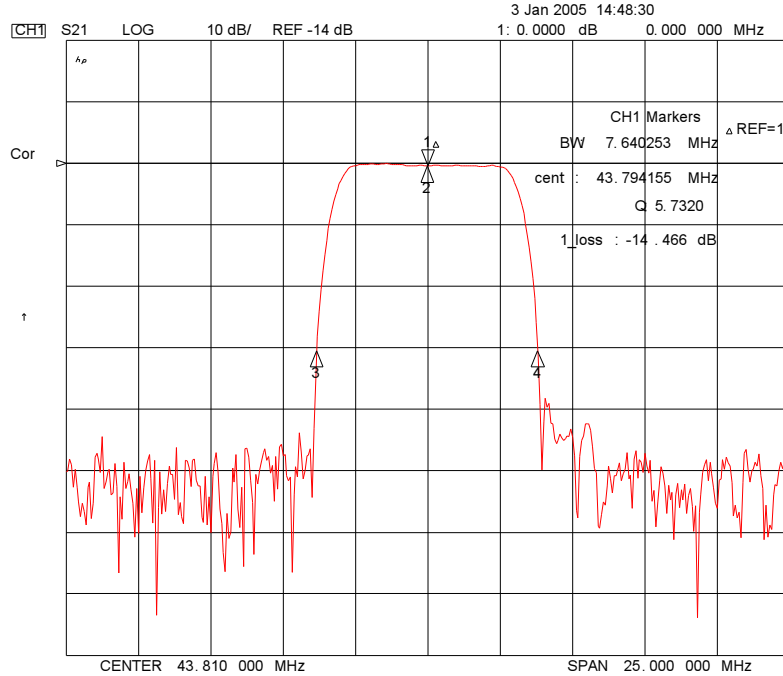
- 1) Manufacturer name
- 2) Part Number

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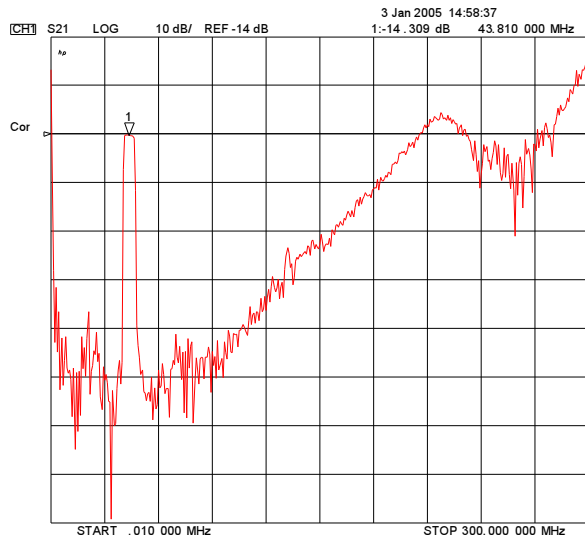
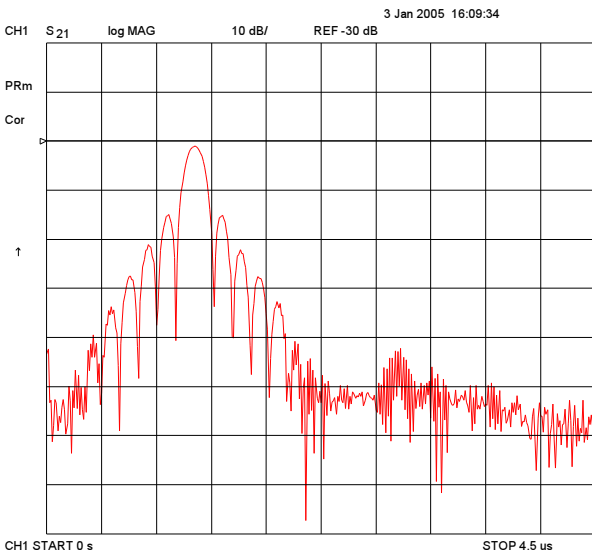
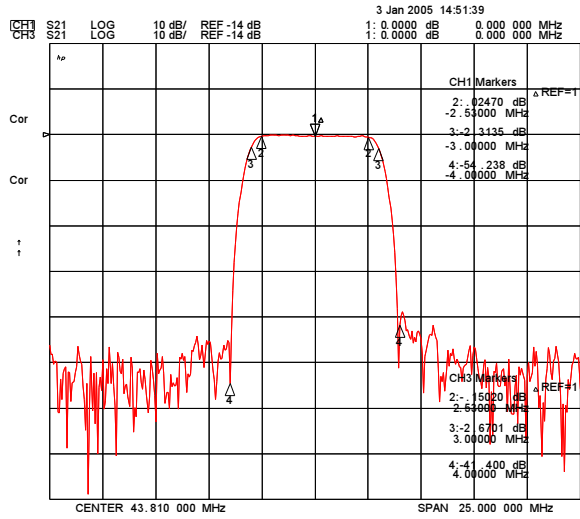
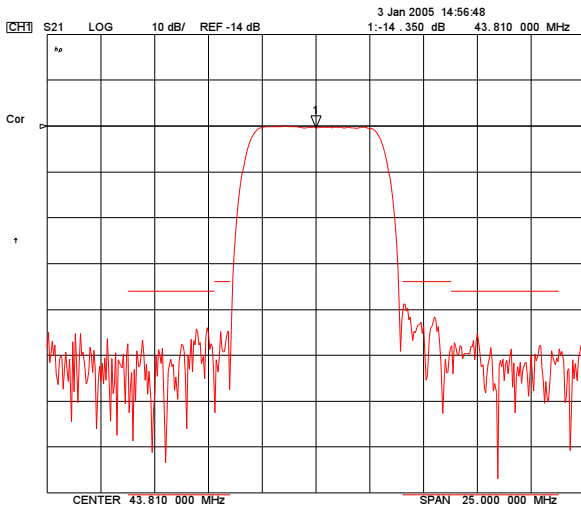


6. Typical Performance (at +25°C)



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