

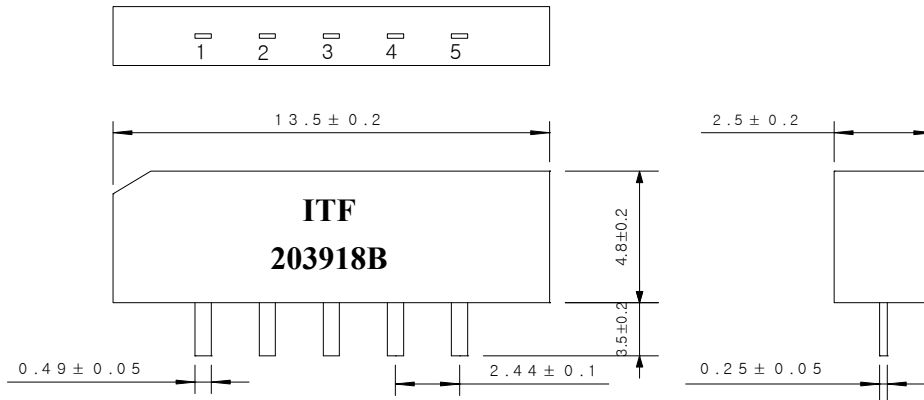
# SAW Bandpass Filter 203918B



## 1. Features

- IF Bandpass Filter for DAB
- 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
Operation Temperature Range	°C	-10	25	60
Storage Temperature Range	°C	-30	-	80

	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203918B	
		Rev. Date	2004-11-18	
		Rev.	NT4009-AS01	1/5

# SAW Bandpass Filter 203918B



## 3. Specifications

Fo = 38.912 MHz

Terminating source impedance : 50Ω

Terminating load impedance : 2KΩ // 3pF

		Minimum	Typical	Maximum
Center Frequency	MHz	-	38.912	-
Insertion Loss	dB	16.7	18.7	20.7
3dB Bandwidth	MHz	-	1.52	-
30dB Bandwidth	MHz	-	2.62	-
Relative Attenuation				
30.01 ~ 36.27 MHz	dB	43.0	48.0	-
36.27 ~ 37.31 MHz	dB	38.0	44.0	-
40.61 ~ 41.41 MHz	dB	38.0	43.0	-
41.41 ~ 50.01 MHz	dB	41.0	45.0	-
Group Delay Variation (38.12 ~39.72 MHz)	nsec	-	68	-
Absolute Delay	usec	-	1.43	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

### 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

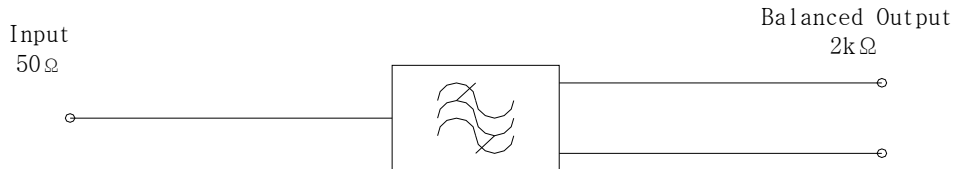
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		Rev. Date	2004-11-18	
		Rev.	NT4009-AS01	2/5

# SAW Bandpass Filter 203918B



## 4. Matching Schematic

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




## 5. Marking Configuration

ITF<sup>1)</sup>  
203918B<sup>2)</sup>

1) Manufacturer name

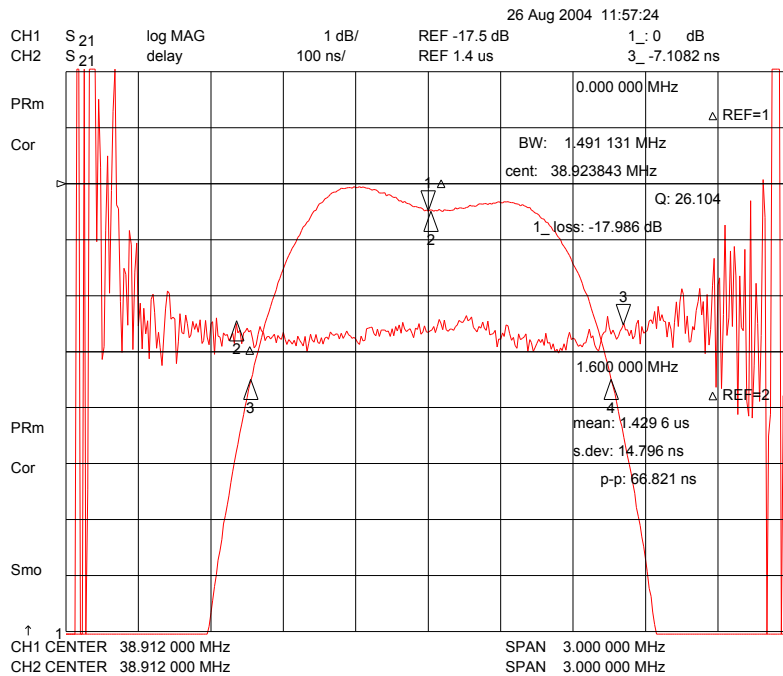
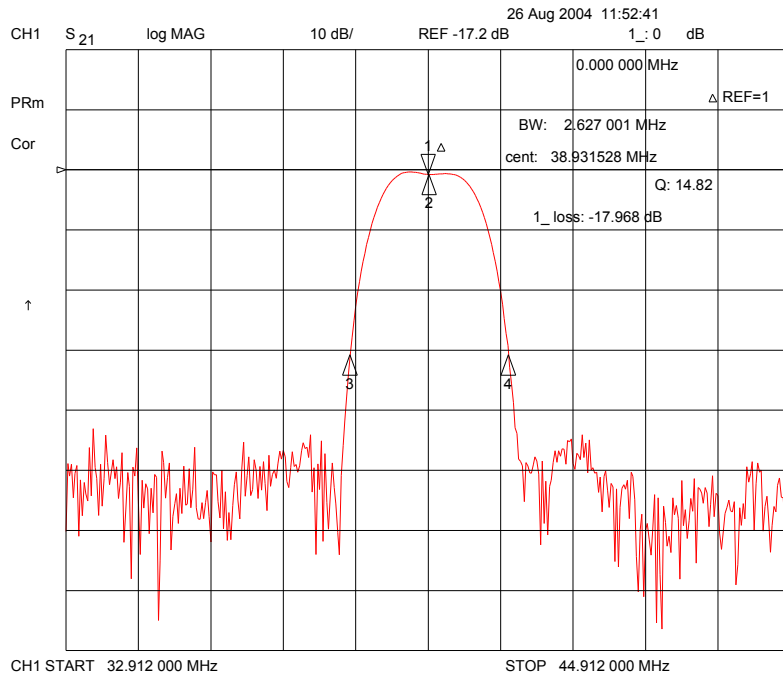
2) Part Number

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		Rev.	NT4009-AS01	3/5

# SAW Bandpass Filter 203918B

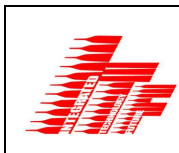
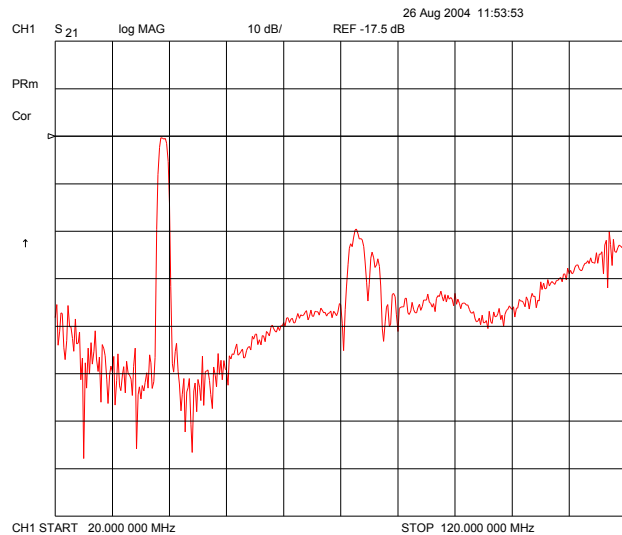
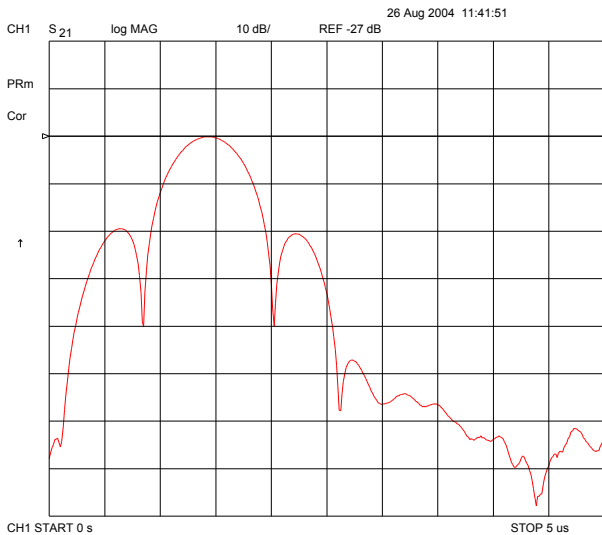
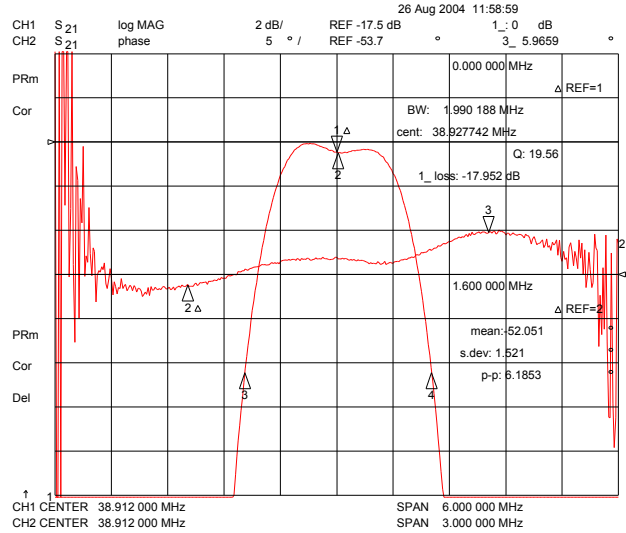
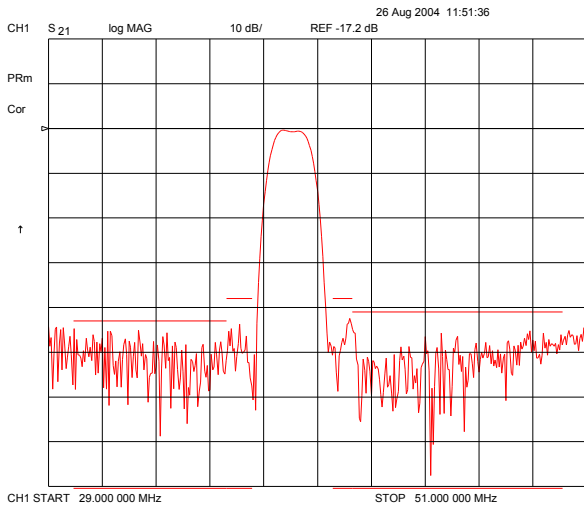


## 6. Typical Performance ( at +25°C )



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		Rev. Date	2004-11-18	
		Rev.	NT4009-AS01	4/5

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**ITF Co., Ltd.**  
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 Samjeong-Dong, Ojeong-Gu, Bucheon-City,  
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Rev. Date	2004-11-18	
Rev.	NT4009-AS01	5/5