

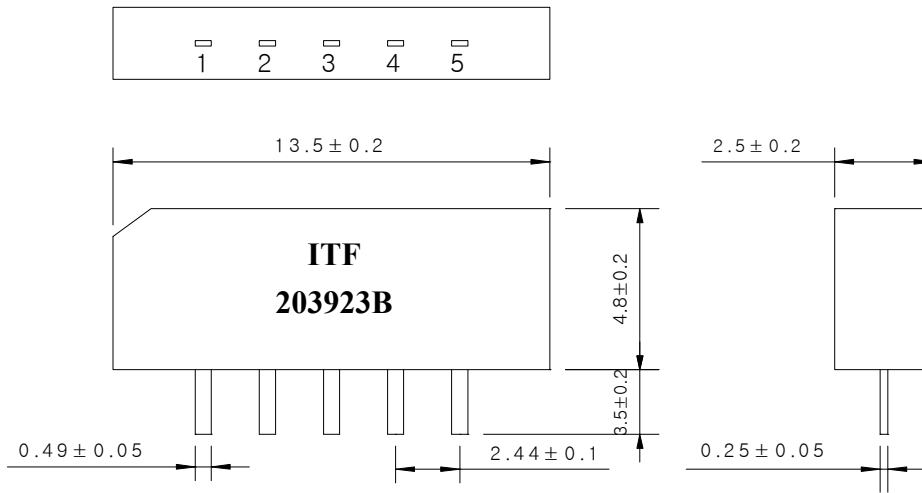
# SAW Bandpass Filter 203923B



## 1. Features

- IF Bandpass Filter for TV
- 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	70

	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203923B	
		Rev. Date	2008-07-18	
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## 3. Specifications

Fo = 36.125 MHz


Terminating source impedance : 50Ω

Terminating load impedance : 2KΩ // 3pF

		Minimum	Typical	Maximum
Center Frequency	MHz	-	36.125	-
Insertion Loss	dB	18.3	20.7	22.3
3dB Bandwidth	MHz	-	8.0	-
30dB Bandwidth	MHz	-	9.4	-
Sidelobe				
25.00 ~ 31.25 MHz	dB	30.0	40.0	-
40.90 ~ 50.00 MHz	dB	30.0	38.0	-
Relative Attenuation				
32.32 MHz	dB	-0.6	0.9	2.4
39.93 MHz	dB	-0.1	1.4	2.9
32.13 MHz	dB	0.9	2.0	4.5
31.25 MHz	dB	35	43	-
47.25 MHz	dB	40	47	-
Amplitude Ripple ( 32.65 ~ 39.60 MHz )	dB	0.0	0.95	1.2
Group Delay Variation (32.65 ~ 39.60 MHz )	nsec	-	50	-
Absolute Delay	usec	-	1.23	-
Triple Transition Suppression Level	dB	50	56	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

### Notes :

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

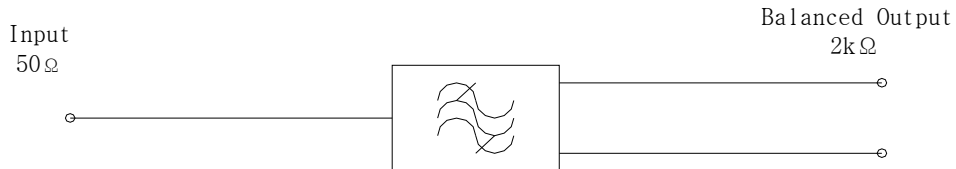
	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203923B	
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## 4. Matching Schematic

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




## 5. Marking Configuration

ITF<sup>1)</sup>  
203923B<sup>2)</sup>

1) Manufacturer name

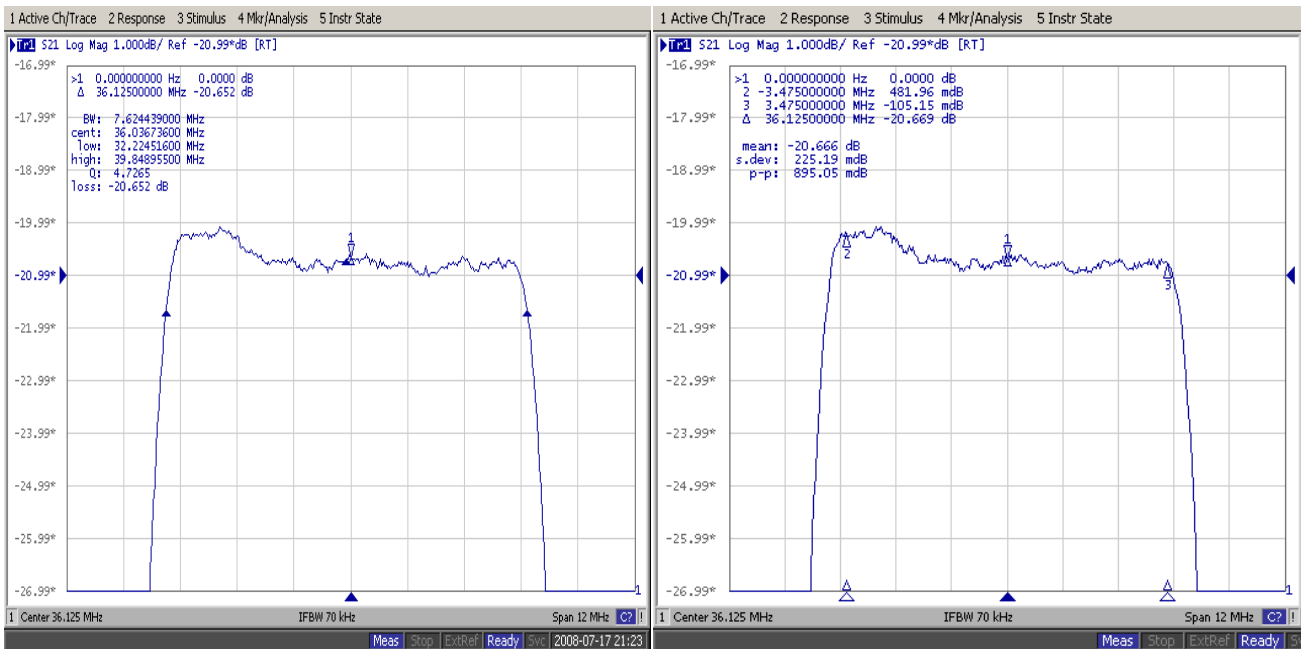
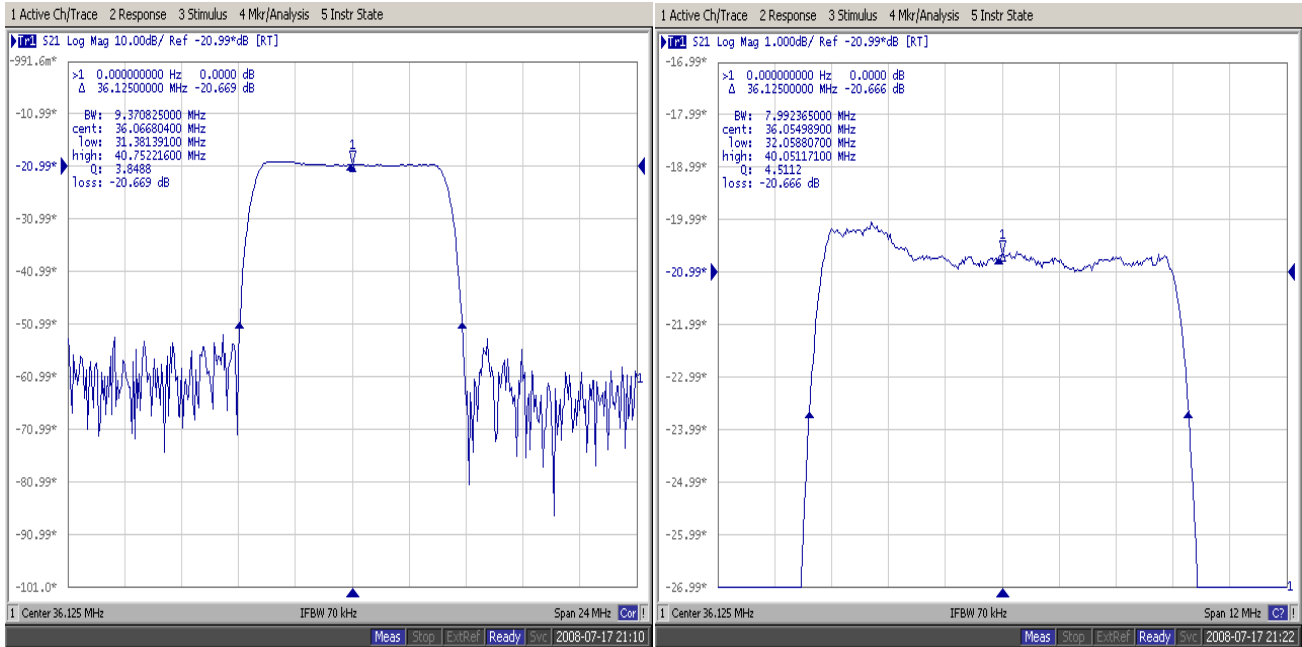
2) Part Number

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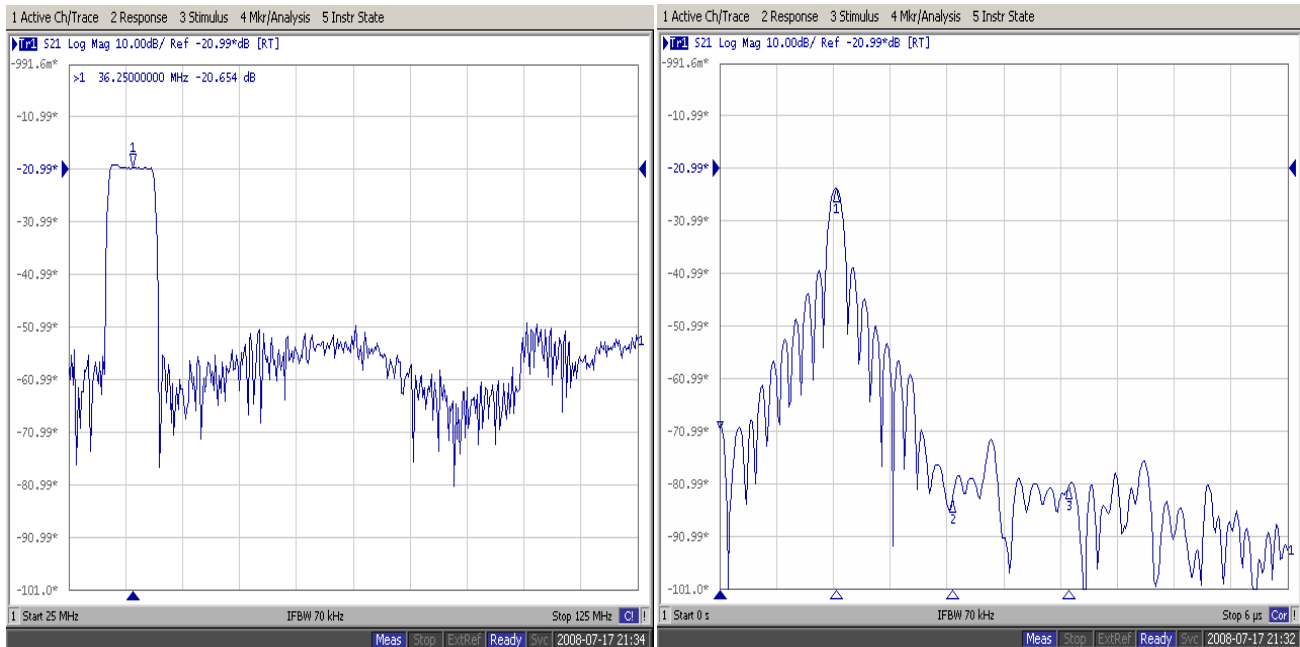
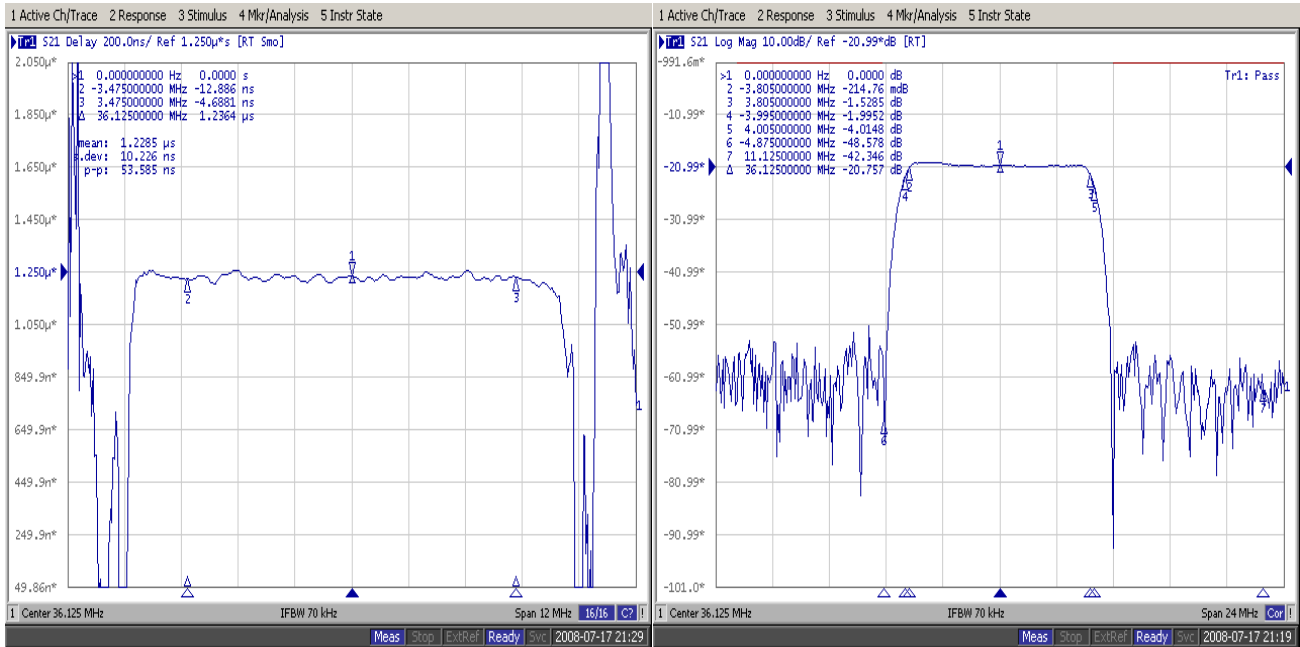
## 6. Typical Performance ( at +25°C )



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