

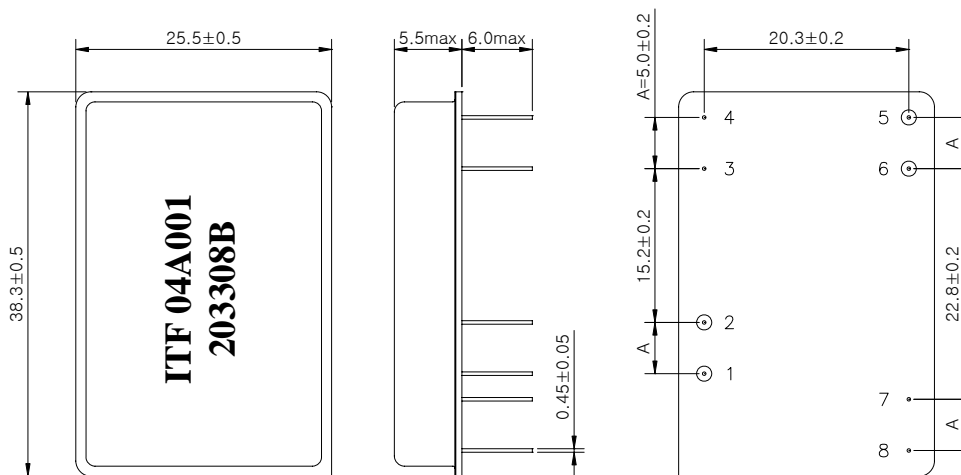
# SAW Bandpass Filter 203308B



## 1. Features

- IF Bandpass Filter
- High Attenuation
- Single-Ended Operation
- DIP Package
- Maximum Storage Temperature Range : -40°C ~ 85°C
- Electrostatics Sensitive Device (ESD)

## 2. Package Dimension



### Package : D3825


Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated

Cap : Cu & Cr Alloy, Ni Plated

Termination : Kovar, Au Plated

Pin Configuration	
1	Input
6	Output
2, 5	Ground
Other	Case ground

	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203308B	
		Rev. Date	2004-04-20	
		Rev.	NI0017-CS03	1/5

# SAW Bandpass Filter 203308B



## 3. Specifications

Fo = 70.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	69.96	70.0	70.04
Insertion Loss	dB	-	26.0	27.5
1dB Bandwidth	MHz	-	10.34	-
3dB Bandwidth	MHz	10.5	10.65	-
40dB Bandwidth	MHz	-	11.54	11.65
Amplitude Ripple (Fo +/- 5.0 MHz)	dB	-	1.0	1.3
Group Delay Variation (Fo +/- 5.0 MHz)	nsec	-	100	150
Absolute Delay	usec	-	3.63	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-94	-

### 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

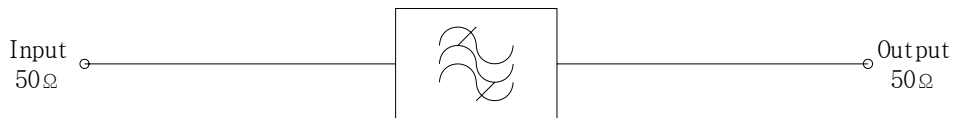
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		Rev. Date	2004-04-20	
		Rev.	NI0017-CS03	2/5

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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>04A001<sup>2)</sup>  
203308B<sup>3)</sup>

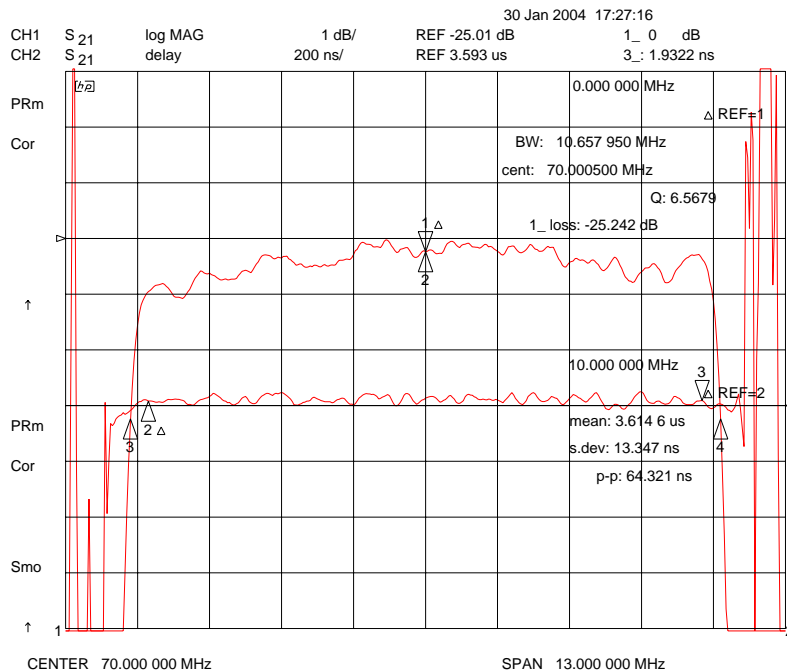
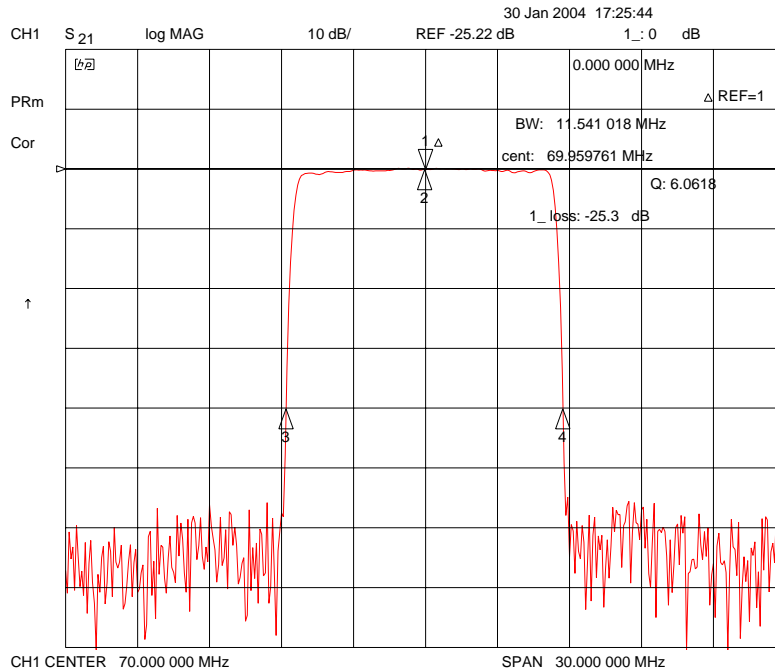
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

 Integrated Technology Future	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203308B	
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		Rev.	NI0017-CS03	3/5

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



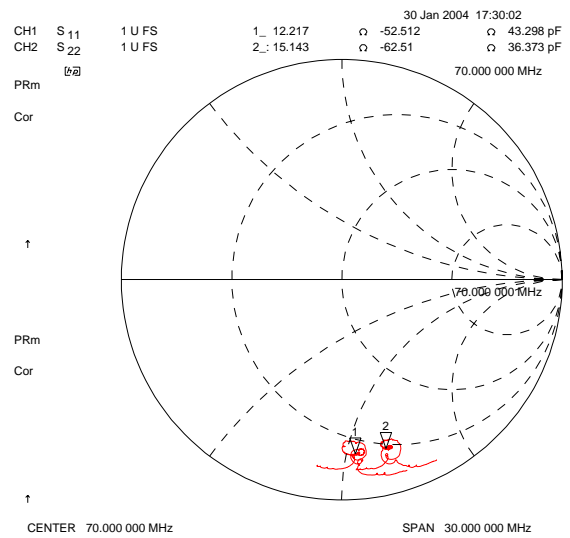
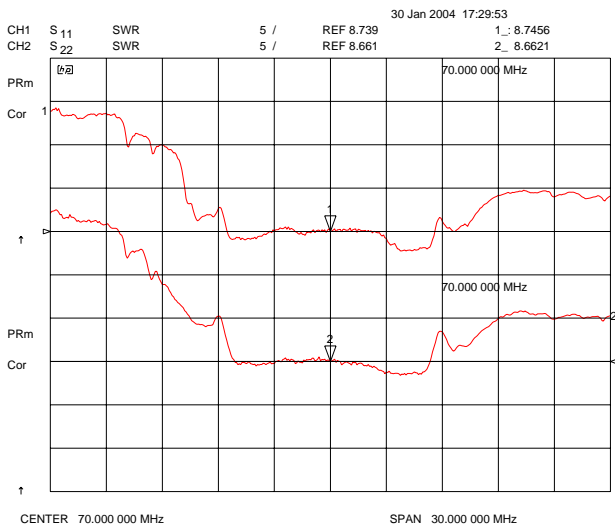
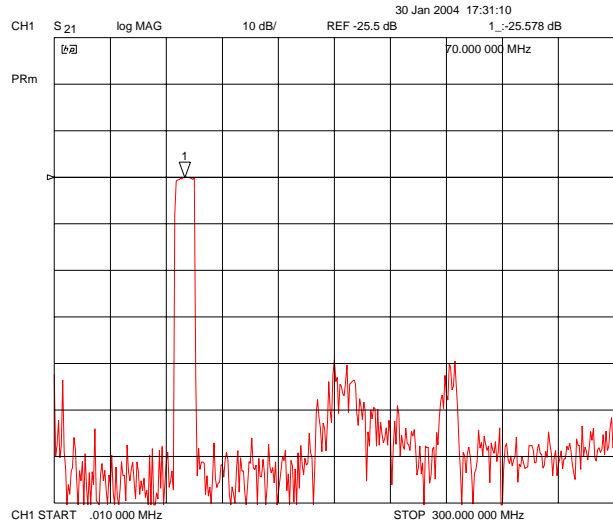
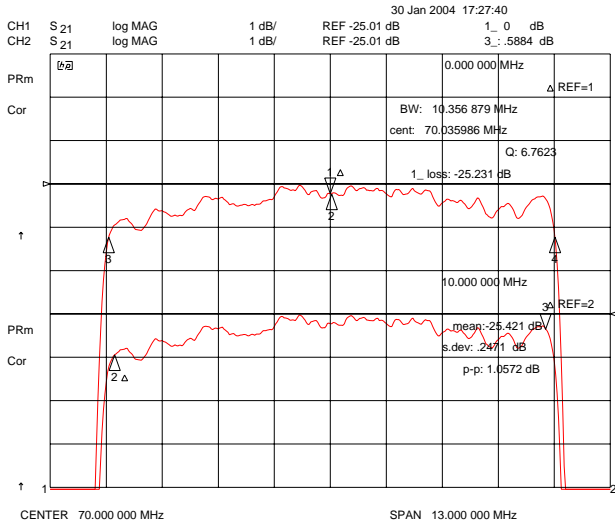
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Rev. NI0017-CS03 4/5

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Rev. NI0017-CS03 5/5