

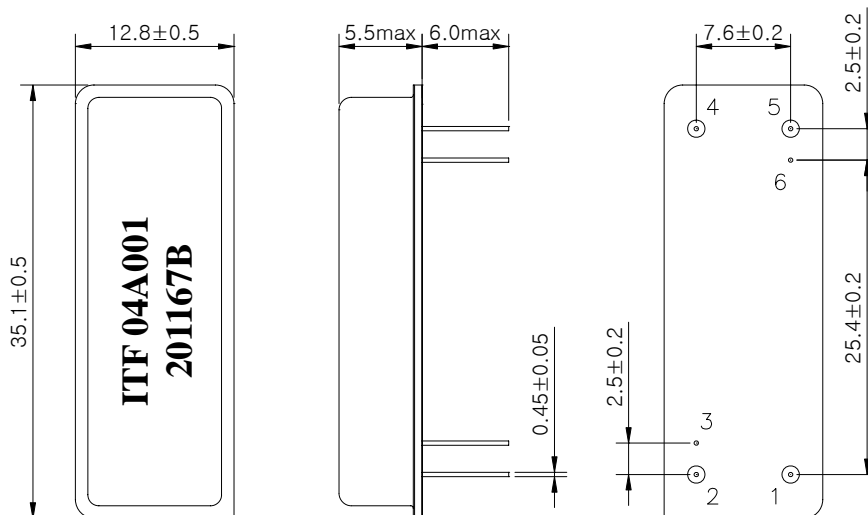
# SAW Bandpass Filter 201167B



## 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 : D3512

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
5	Output
2, 4	Ground
3, 6	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.	201167B	
		Rev. Date	2004-05-31	
		Rev.	NM3004-CS03	1/5

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## 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	69.97	70.0	70.04
Insertion Loss	dB	-	23.0	25.0
1dB Bandwidth	MHz	-	12.7	-
3dB Bandwidth	MHz	12.9	13.0	13.1
40dB Bandwidth	MHz	-	13.9	14.0
Amplitude Ripple (Fo +/- 6.2 MHz)	dB	-	0.8	1.0
Group Delay Variation (Fo +/- 6.2 MHz)	nsec	-	50	100
Absolute Delay	usec	-	3.11	3.2
Relative Attenuation				
at 30.0 ~ 62.9 MHz	dB	45.0	50.0	-
at 62.9 ~ 63.1 MHz	dB	27.0	30.0	-
at 76.9 ~ 77.1 MHz	dB	27.0	30.0	-
at 77.1 ~ 100 MHz	dB	45.0	50.0	-
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 full 2 port calibration at room temperature
- 3) All attenuation measurements are measured relative to insertion loss

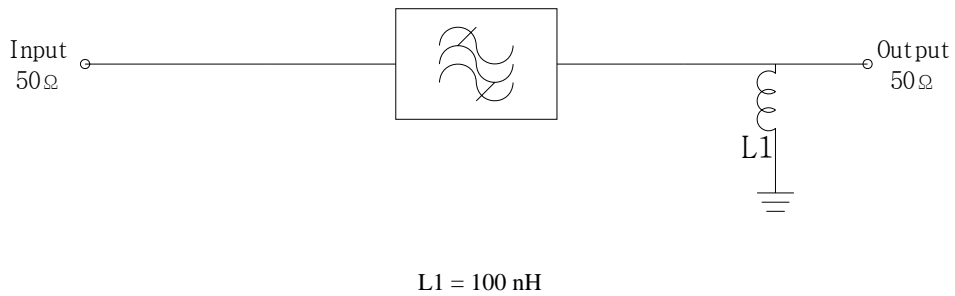
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## 4. Matching Schematic

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



## 5. Marking Configuration

ITF<sup>1)</sup>04A001<sup>2)</sup>  
201167B<sup>3)</sup>

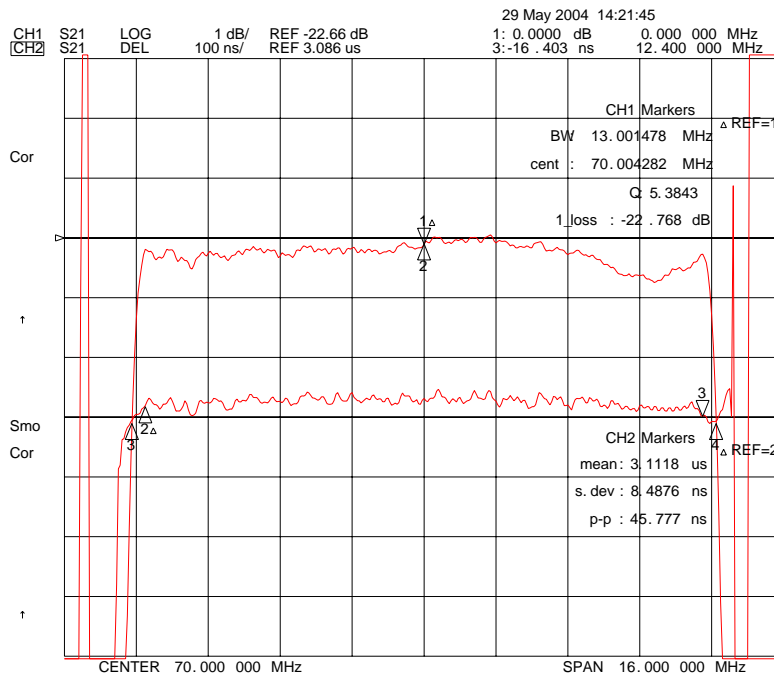
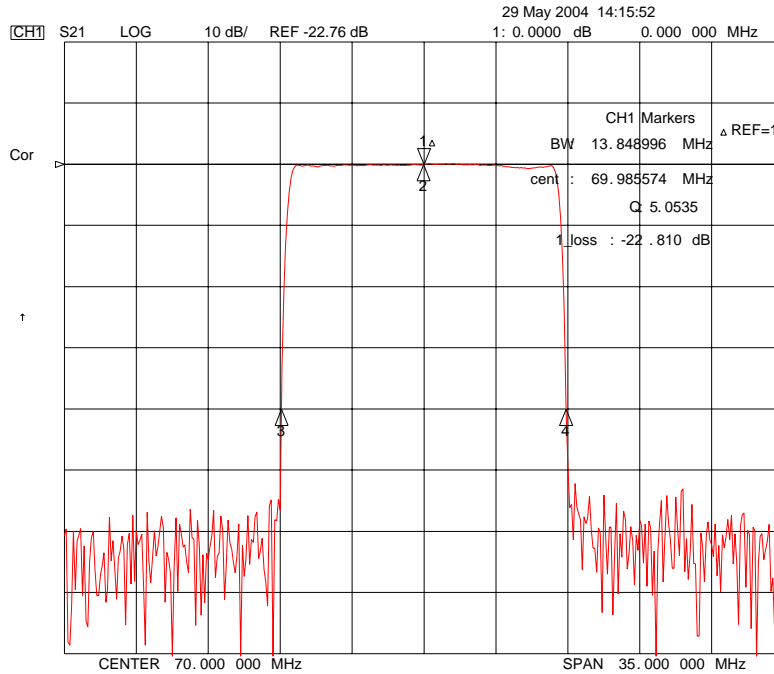
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

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



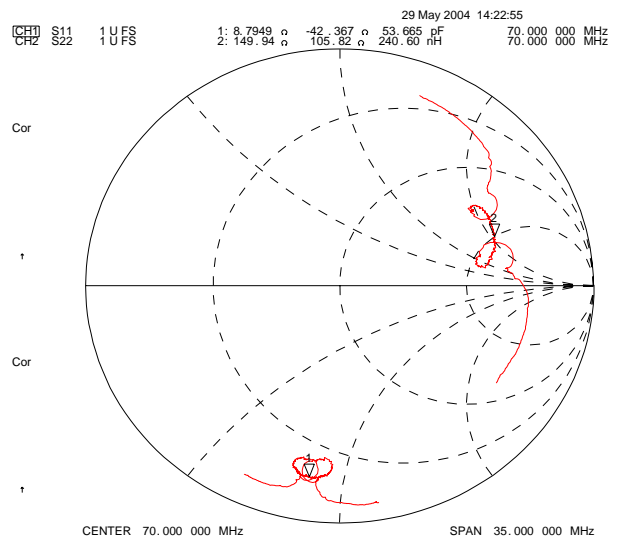
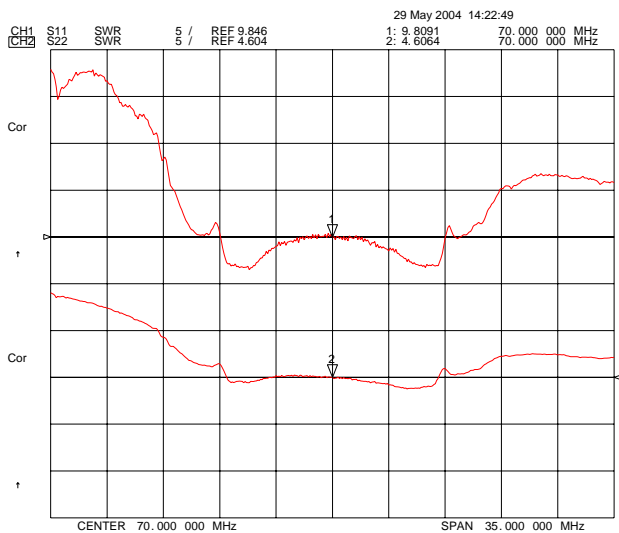
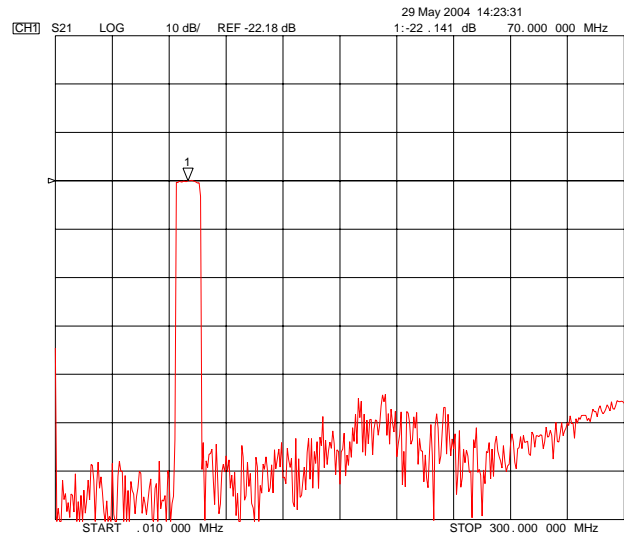
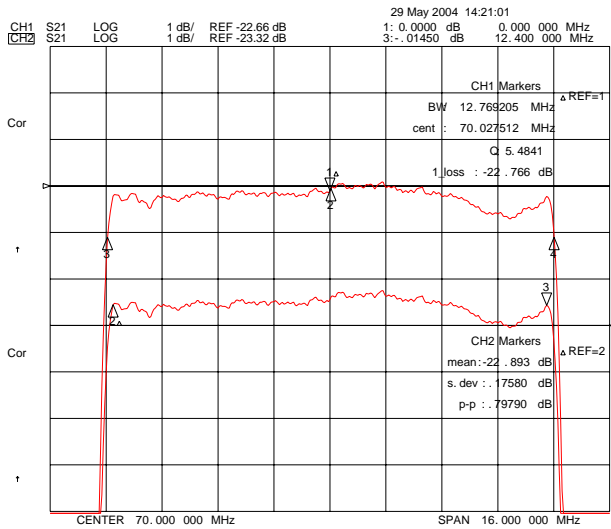
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