

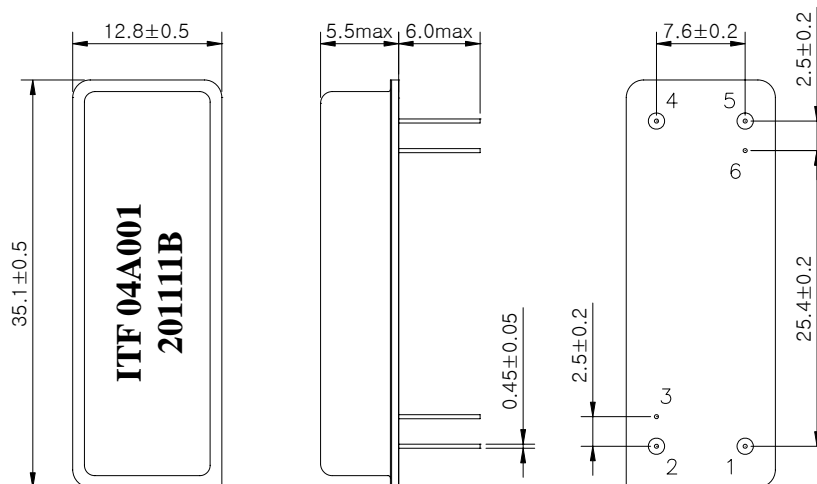
SAW Bandpass Filter 201111B



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

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201111B	
		Rev. Date	2004-04-22	
		Rev.	NI0019-CS03	1/5

SAW Bandpass Filter 201111B



3. Specifications

Fo = 70 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	69.92	70.0	70.08
Insertion Loss	dB	-	25.5	26.5
1dB Bandwidth	MHz	-	3.2	-
3dB Bandwidth	MHz	3.5	3.75	-
40dB Bandwidth	MHz	-	5.5	6.0
Amplitude Ripple (Fo +/- 1.23 MHz)	dB	-	0.8	1.1
Group Delay Variation (Fo +/- 1.23 MHz)	nsec	-	60	150
Absolute Delay	usec	-	3.33	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-23	-

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

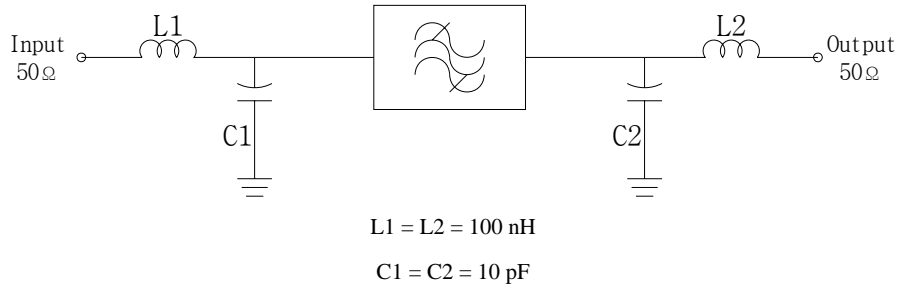
	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201111B	
		Rev. Date	2004-04-22	
		Rev.	NI0019-CS03	2/5

SAW Bandpass Filter 201111B



4. Matching Schematic


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



5. Marking Configuration

ITF¹⁾ 04A001²⁾
201111B³⁾

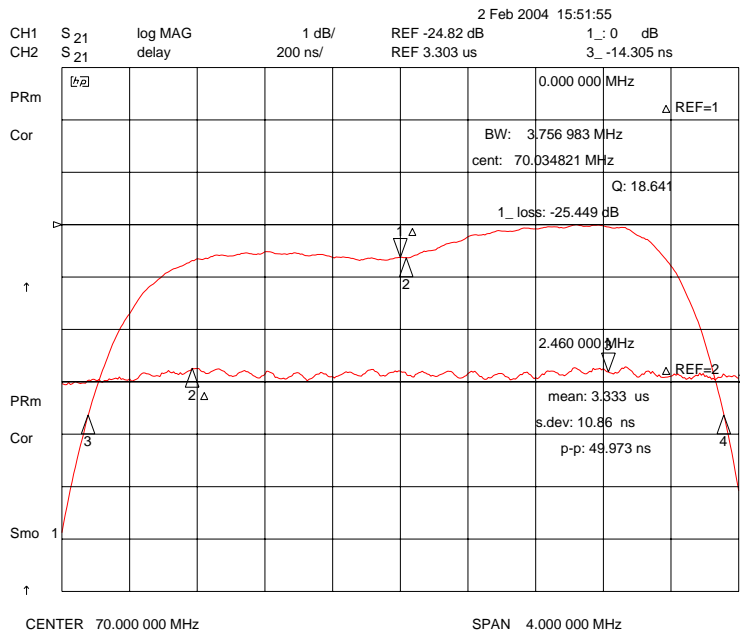
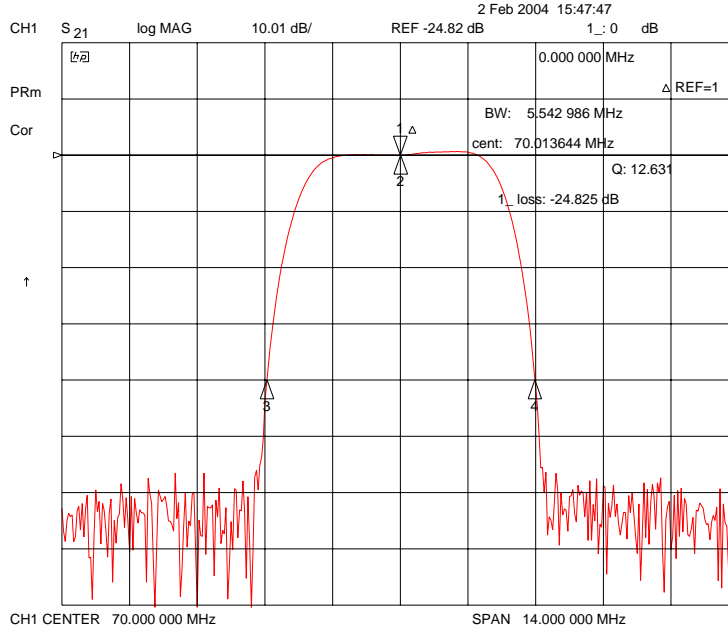
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number


 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201111B
		Rev. Date	2004-04-22
		Rev.	NI0019-CS03 3/5

SAW Bandpass Filter 201111B

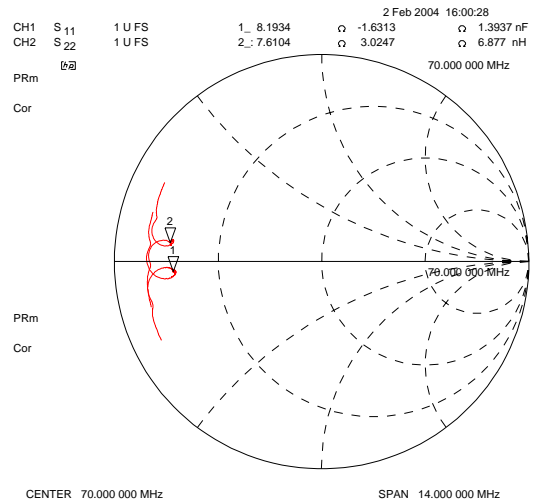
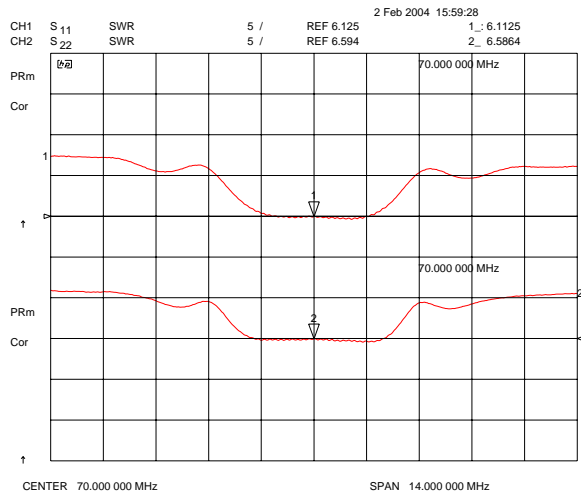
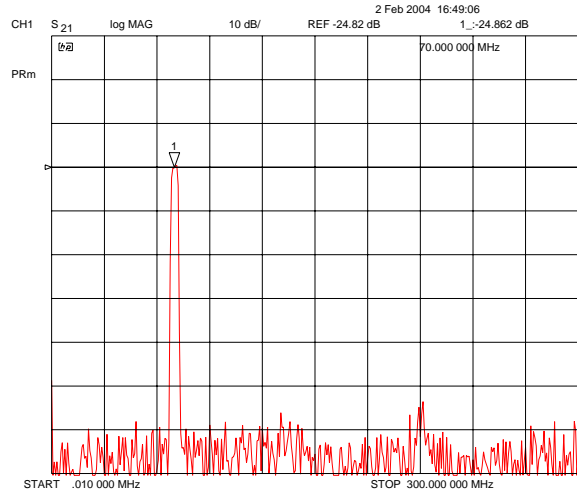
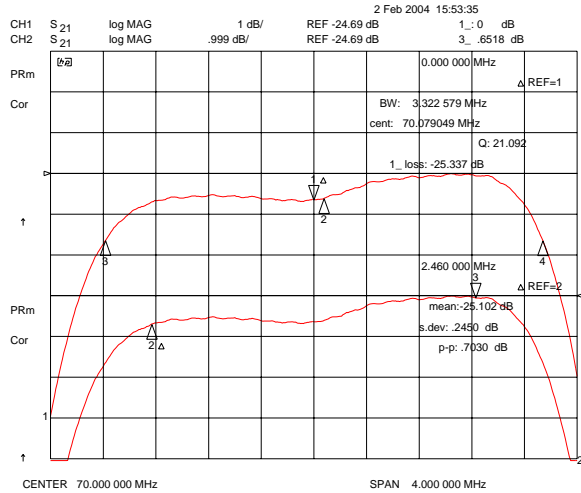



6. Typical Performance (at +25°C)



	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201111B	
		Rev. Date	2004-04-22	
		Rev.	NI0019-CS03	4/5

SAW Bandpass Filter 20111B



	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	20111B	
		Rev. Date	2004-04-22	
		Rev.	NI0019-CS03	5/5