

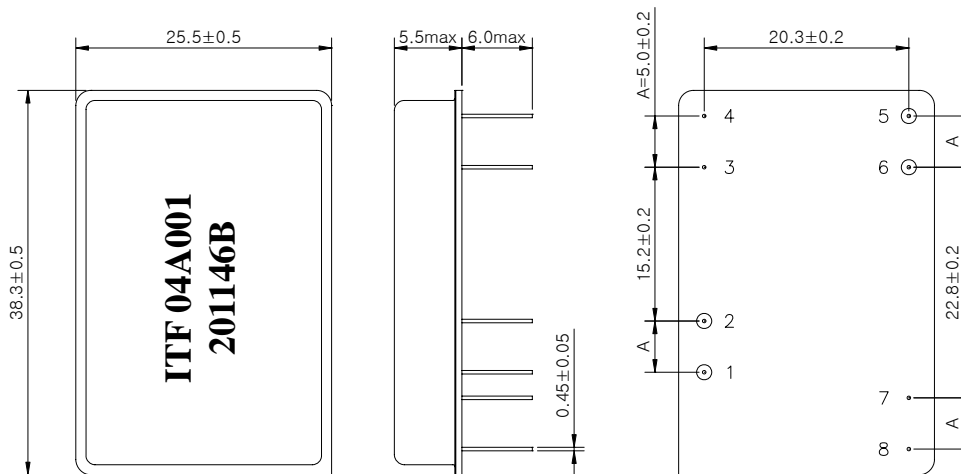
SAW Bandpass Filter 201146B



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

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201146B	
		Rev. Date	2004-04-19	
		Rev.	NI0005-CS03	1/5

SAW Bandpass Filter 201146B



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	69.94	70.0	70.06
Insertion Loss	dB	-	30.0	32.0
1dB Bandwidth	MHz	-	14.54	-
3dB Bandwidth	MHz	14.5	14.72	-
40dB Bandwidth	MHz	-	15.65	15.8
Amplitude Ripple (Fo +/- 7.0 MHz)	dB	-	1.0	1.3
Group Delay Variation (Fo +/- 7.0 MHz)	nsec	-	80	150
Absolute Delay	usec	-	3.61	-
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

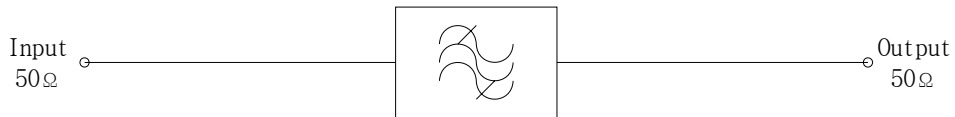
	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201146B	
		Rev. Date	2004-04-19	
		Rev.	NI0005-CS03	2/5

SAW Bandpass Filter 201146B



4. Matching Schematic

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



5. Marking Configuration

ITF¹⁾ 04A001²⁾
201146B³⁾

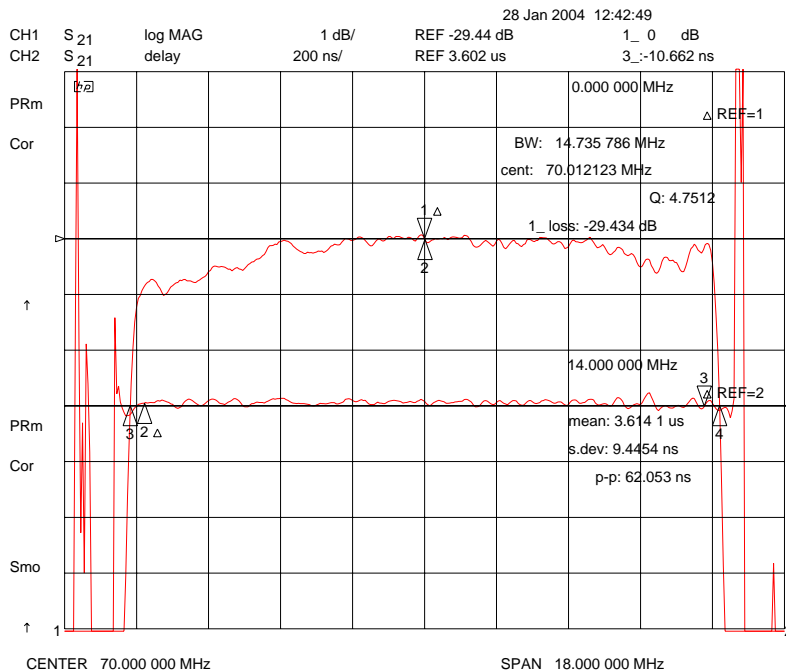
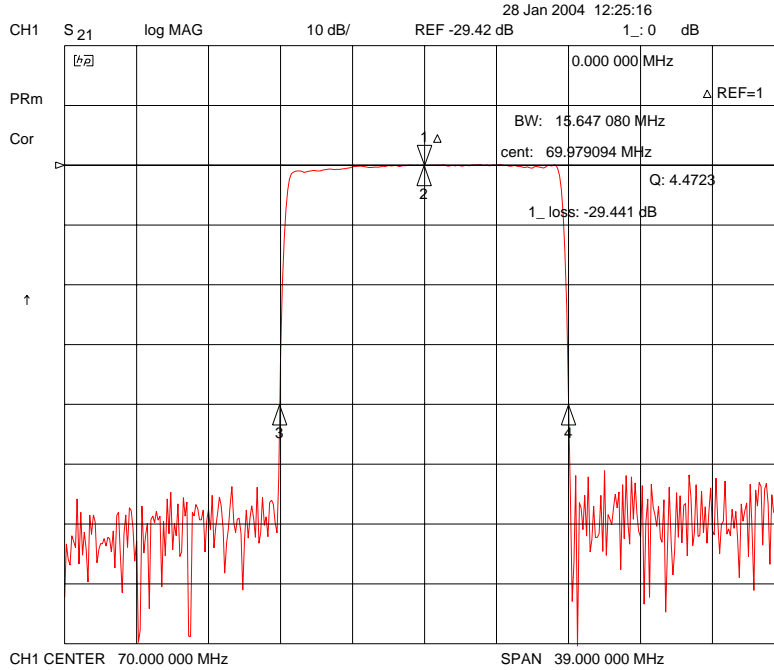
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201146B	
		Rev. Date	2004-04-19	
		Rev.	NI0005-CS03	3/5

SAW Bandpass Filter 201146B

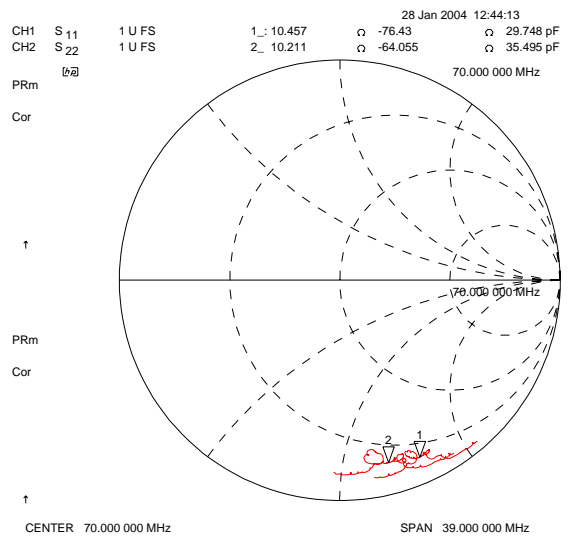
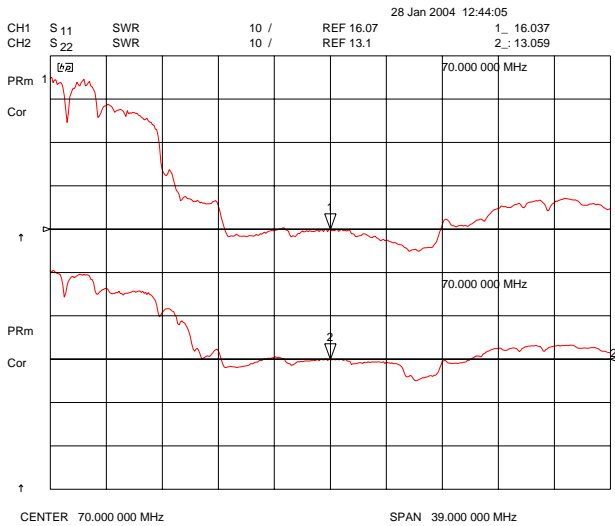
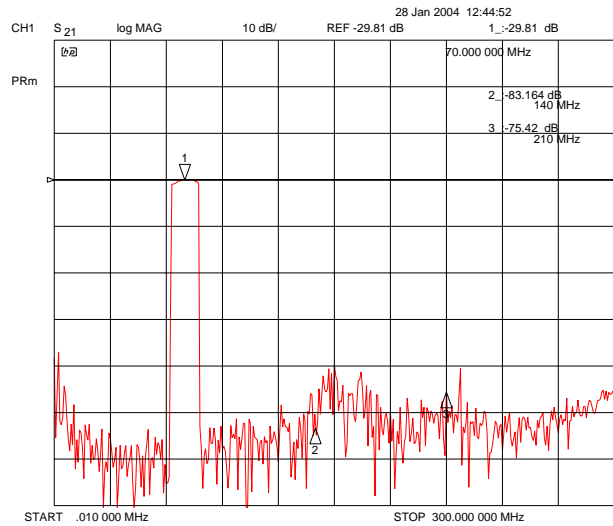
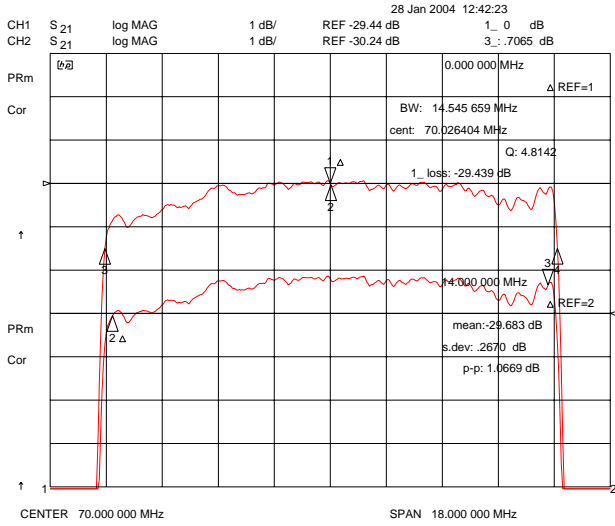


6. Typical Performance (at +25°C)



	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201146B	
		Rev. Date	2004-04-19	
		Rev.	NI0005-CS03	4/5

SAW Bandpass Filter 201146B



ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201146B	
	Rev. Date	2004-04-19	
	Rev.	NI0005-CS03	5/5