

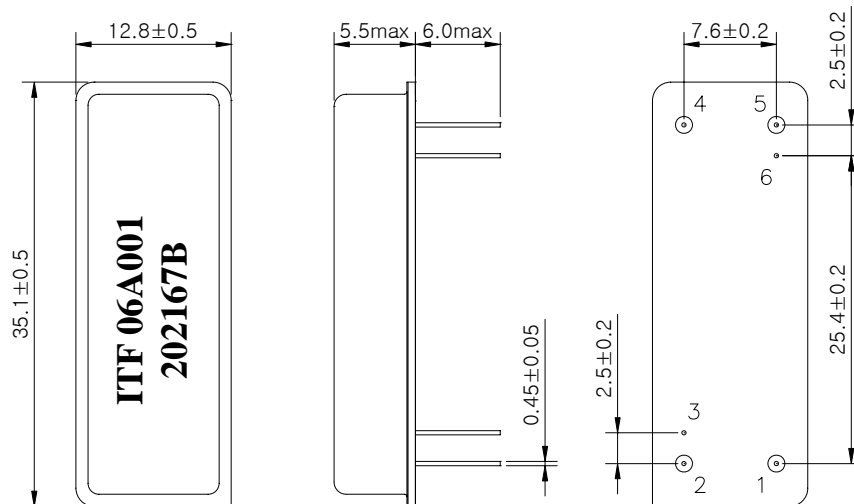
SAW Bandpass Filter 202167B



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.	202167B	
		Rev. Date	2006-06-21	
		Rev.	NM6016-CS01	1/5

SAW Bandpass Filter 202167B



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	-	70.0	-
Insertion Loss	dB	-	24.5	26.0
1dB Bandwidth	MHz	-	6.35	-
3dB Bandwidth	MHz	6.5	6.7	-
40dB Bandwidth	MHz	-	7.87	8.0
Amplitude Ripple (Fo +/- 2.8 MHz)	dB	-	0.4	1.0
Group Delay Variation (Fo +/- 2.8 MHz)	nsec	-	50	100
Absolute Delay	usec	-	4.27	-
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

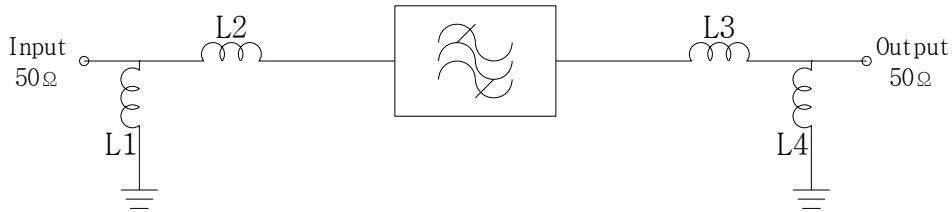
	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	202167B	
		Rev. Date	2006-06-21	
		Rev.	NM6016-CS01	2/5

SAW Bandpass Filter 202167B



4. Matching Schematic

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



L1 = 82nH, L2 = 56nH

L3 = 56nH, L4 = 68nH

5. Marking Configuration

ITF¹⁾ 06A001²⁾

202167B³⁾

1) Manufacturer name

2) Lot Number

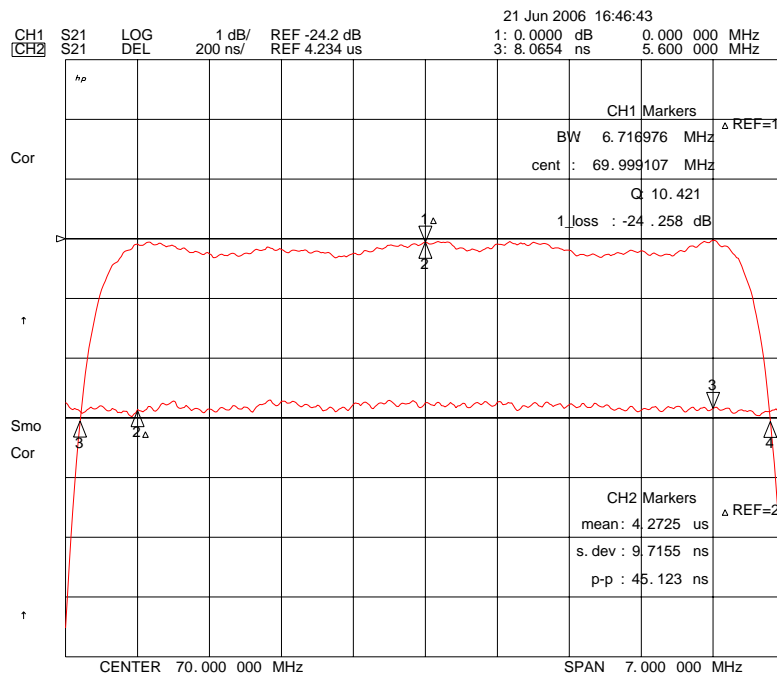
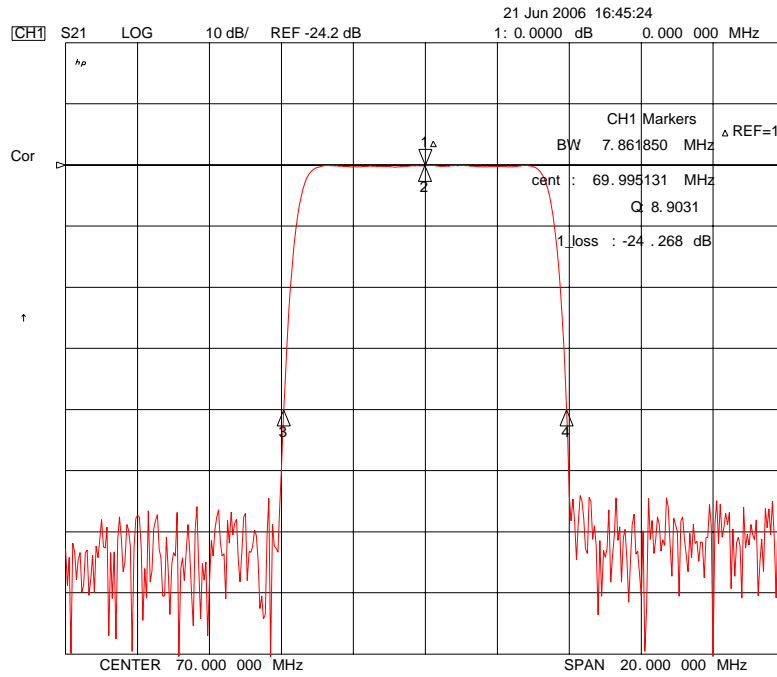
3) Part Number

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	202167B	
		Rev. Date	2006-06-21	
		Rev.	NM6016-CS01	3/5

SAW Bandpass Filter 202167B

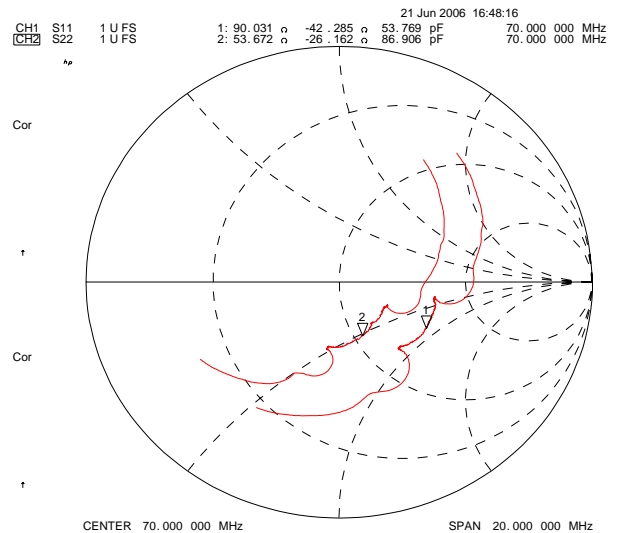
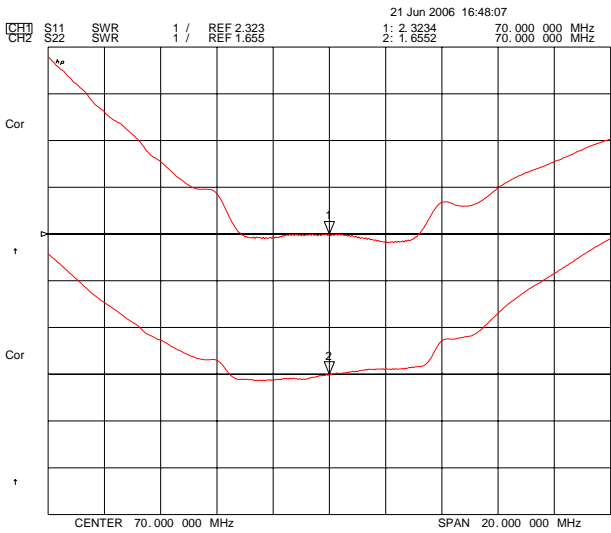
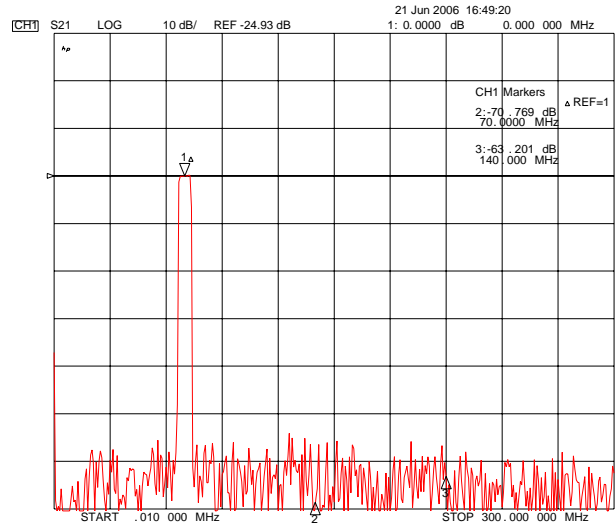
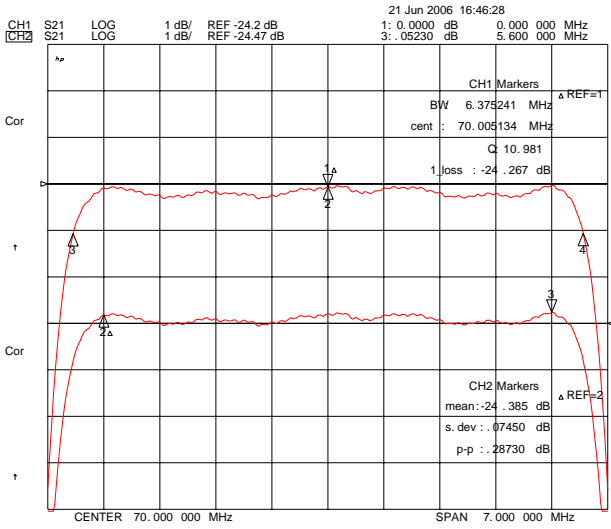


6. Typical Performance (at +25°C)



	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	202167B	
		Rev. Date	2006-06-21	
		Rev.	NM6016-CS01	4/5

SAW Bandpass Filter 202167B



ITF Co., Ltd.
 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809

Part No.	202167B	
Rev. Date	2006-06-21	
Rev.	NM6016-CS01	5/5