

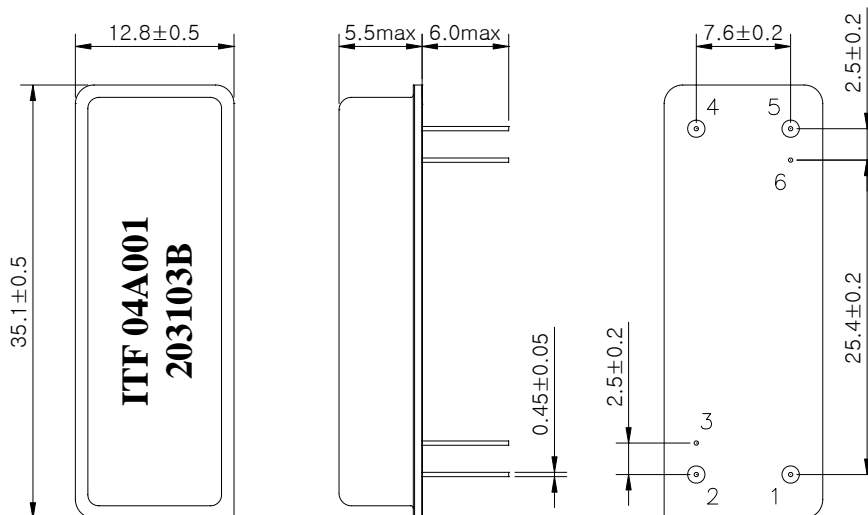
SAW Bandpass Filter 203103B



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

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203103B	
		Rev. Date	2004-04-26	
		Rev.	NI0023-CS02	1/5

SAW Bandpass Filter 203103B



3. Specifications

Fo = 59.275 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	59.245	59.275	59.305
Insertion Loss	dB	-	24.5	25.5
1dB Bandwidth	MHz	-	10.93	-
3dB Bandwidth	MHz	11.1	11.28	-
40dB Bandwidth	MHz	-	12.55	13.0
Amplitude Ripple (Fo +/- 5.2 MHz)	dB	-	1.2	2.0
Group Delay Variation (Fo +/- 5.2 MHz)	nsec	-	50	100
Absolute Delay	usec	-	2.9	-
Ultimate Rejection	dB	50	55	-
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

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203103B	
		Rev. Date	2004-04-26	
		Rev.	NI0023-CS02	2/5

SAW Bandpass Filter 203103B



4. Matching Schematic


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



5. Marking Configuration

ITF¹⁾04A001²⁾
203103B³⁾

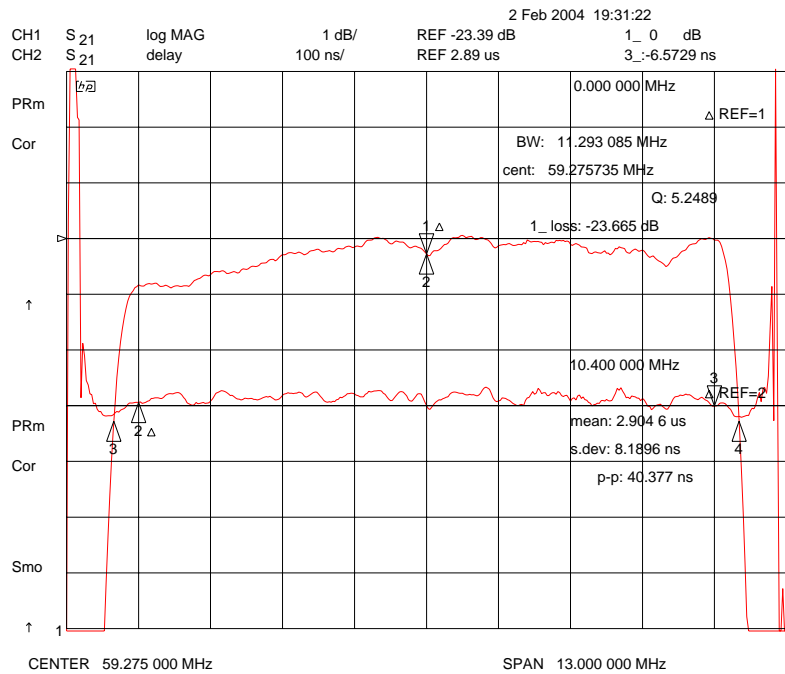
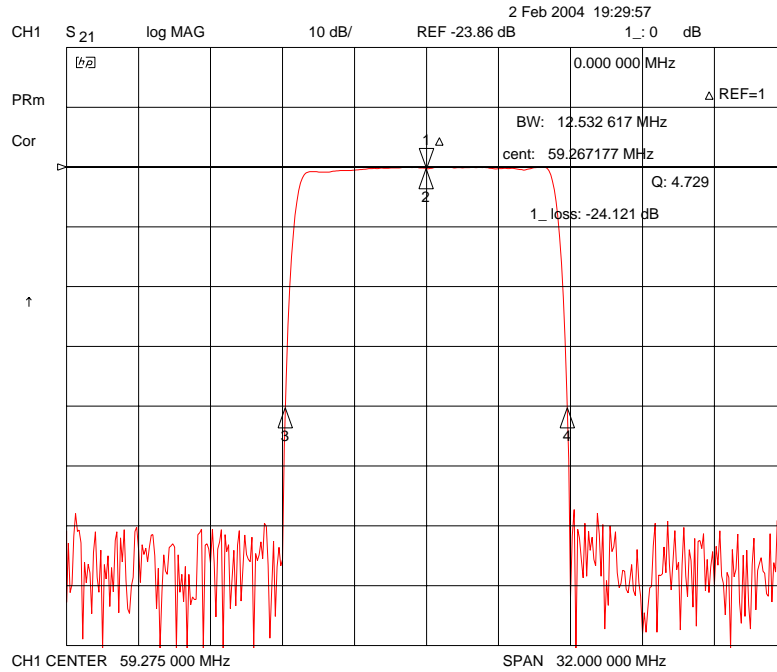
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203103B	
		Rev. Date	2004-04-26	
		Rev.	NI0023-CS02	3/5

SAW Bandpass Filter 203103B



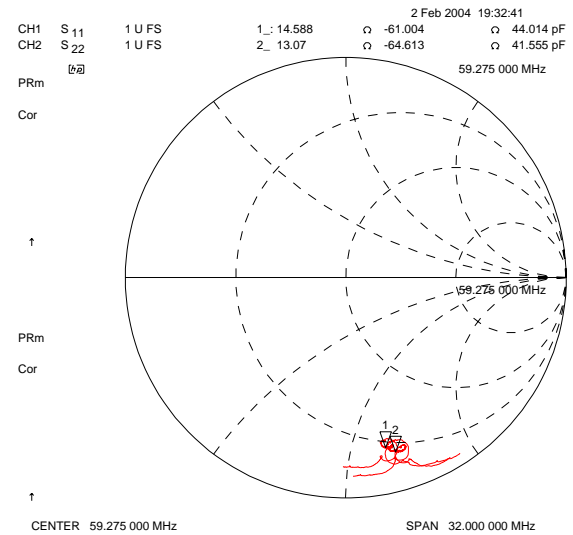
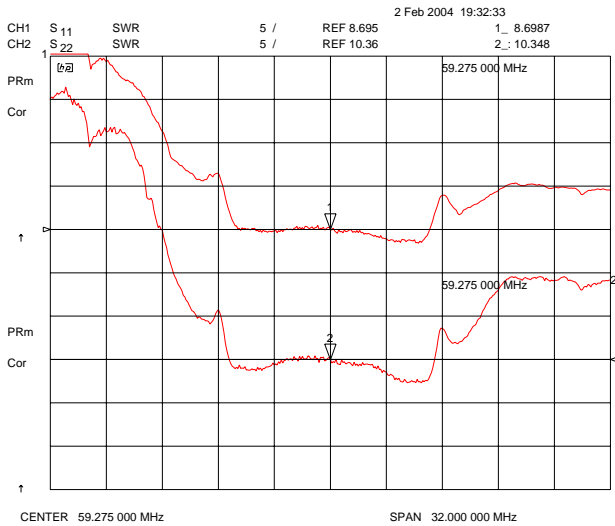
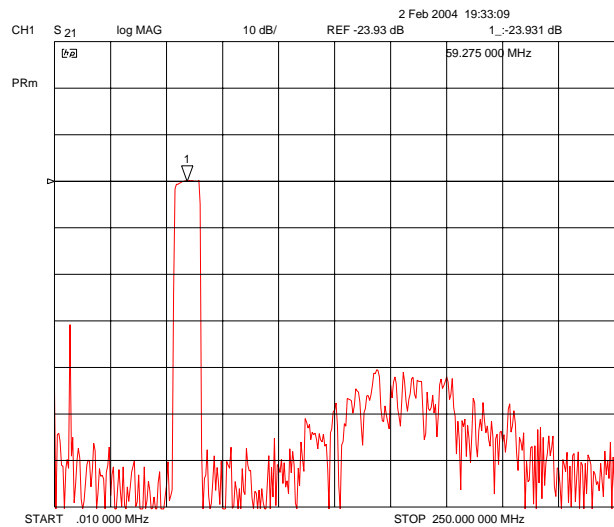
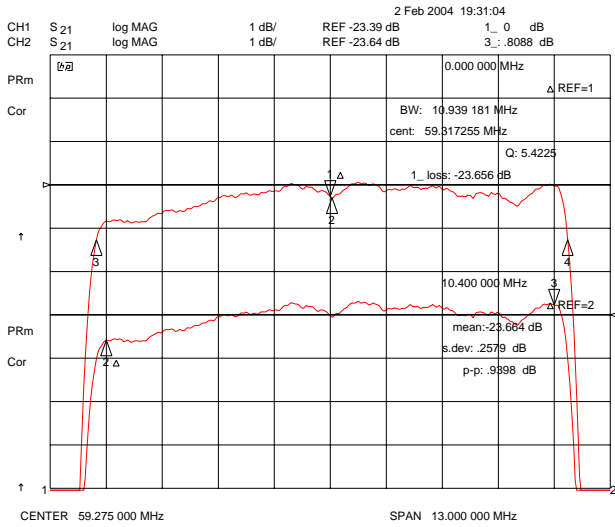
6. Typical Performance (at +25°C)



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

Part No.	203103B	
Rev. Date	2004-04-26	
Rev.	NI0023-CS02	4/5

SAW Bandpass Filter 203103B



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

Part No.	203103B	
Rev. Date	2004-04-26	
Rev.	NI0023-CS02	5/5