

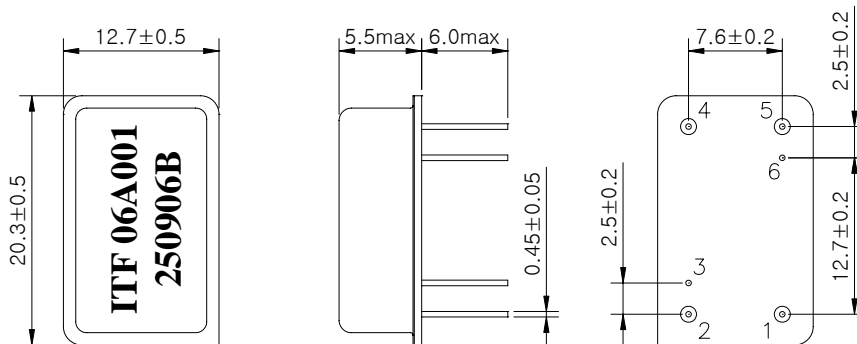
# SAW Bandpass Filter 250906B



## 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 : D2012

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.	250906B	
		Rev. Date	2006-02-03	
		Rev.	NM6004-CS01	1/5

# SAW Bandpass Filter 250906B



## 3. Specifications

Fo = 104.0 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	104.0	-
Insertion Loss	dB	-	23.0	25.0
1dB Bandwidth	MHz	-	9.1	-
3dB Bandwidth	MHz	9.2	9.5	-
40dB Bandwidth	MHz	-	10.9	11.0
Amplitude Ripple (Fo +/- 4.25 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo +/- 4.25 MHz)	nsec	-	60	100
Absolute Delay	usec	-	2.2	-
Ultimate Rejection	dB	50	52	-
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

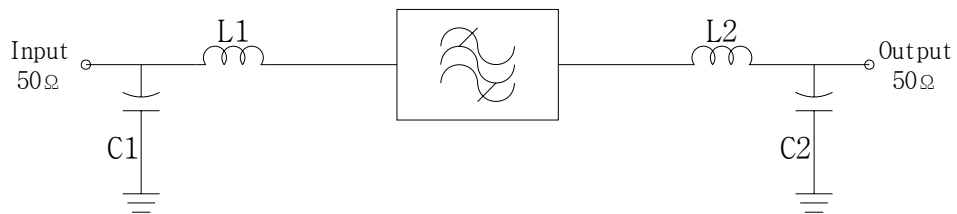
 Integrated Technology Future	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	250906B	
		Rev. Date	2006-02-03	
		Rev.	NM6004-CS01	2/5

# SAW Bandpass Filter 250906B



## 4. Matching Schematic

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



L1 = 18nH, L2 = 18nH

C1 = 47pF, C2 = 43pF

## 5. Marking Configuration


ITF<sup>1)</sup> 06A001<sup>2)</sup>

250906B<sup>3)</sup>

1) Manufacturer name

2) Lot Number

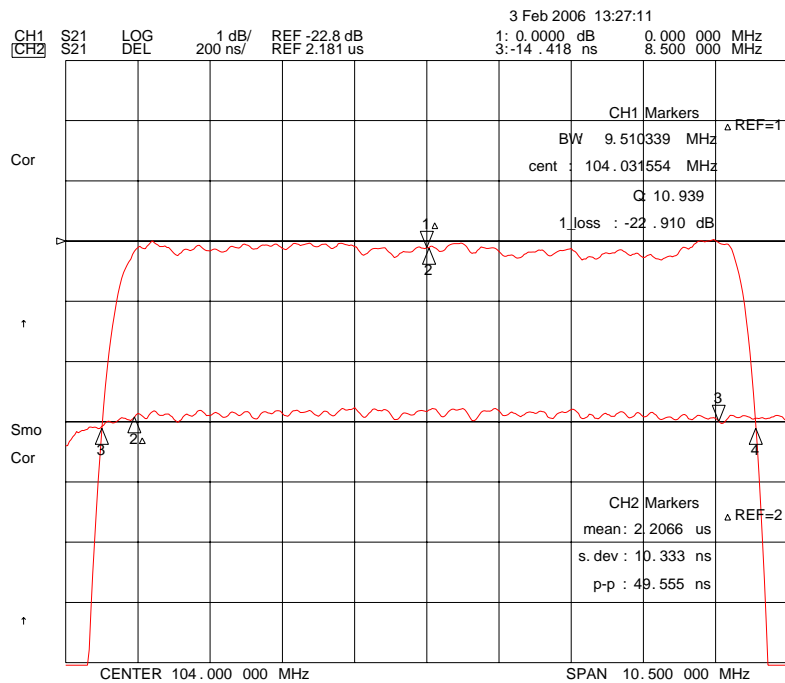
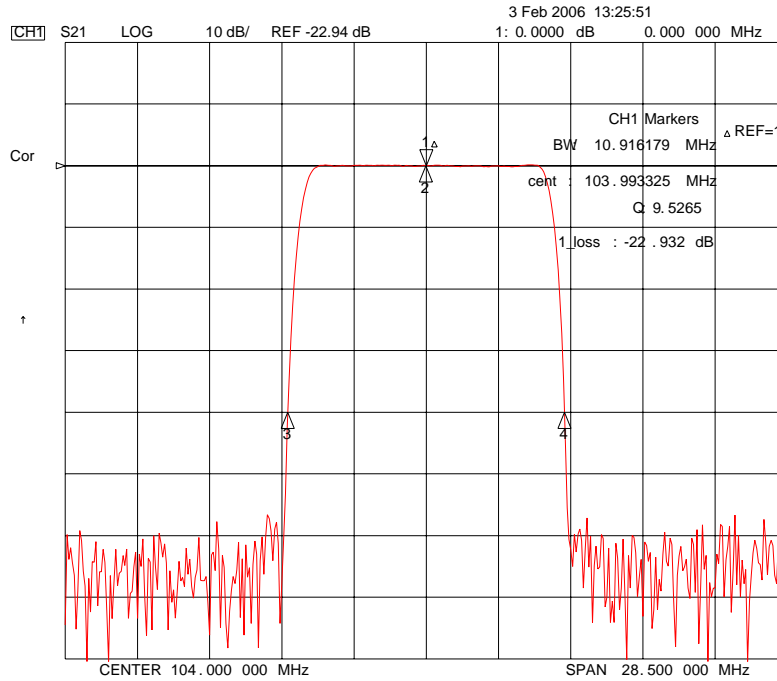
3) Part Number

 Integrated Technology Future	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	250906B	
		Rev. Date	2006-02-03	
		Rev.	NM6004-CS01	3/5

# SAW Bandpass Filter 250906B



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



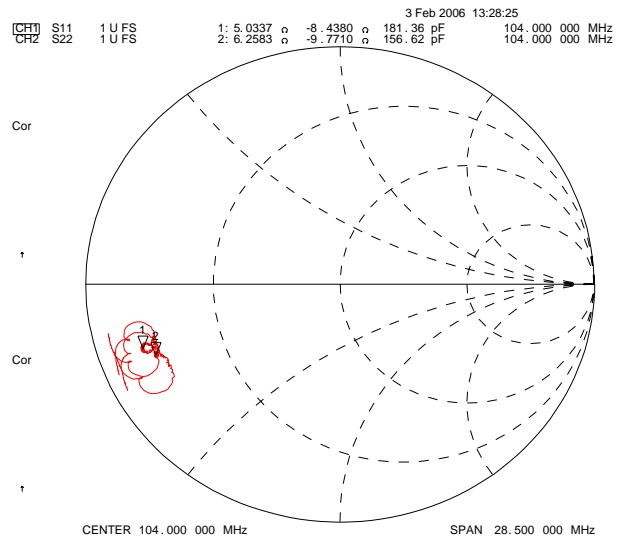
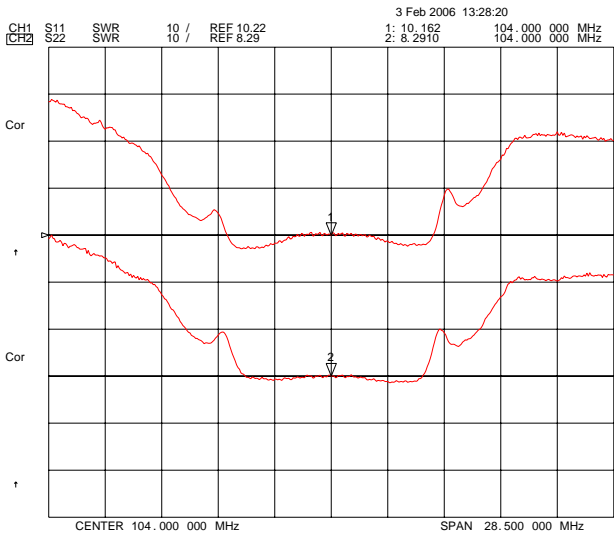
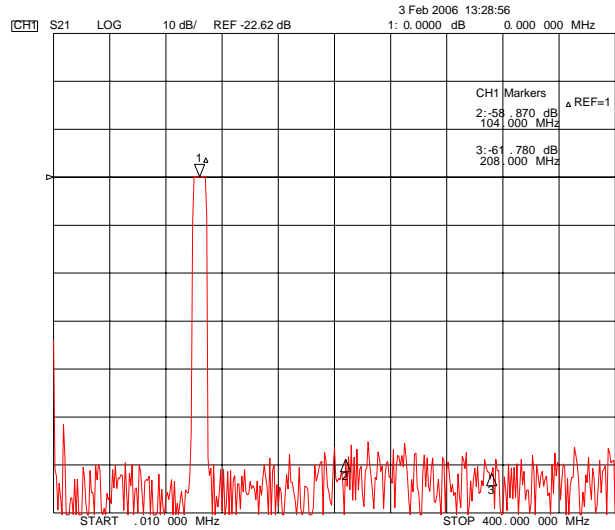
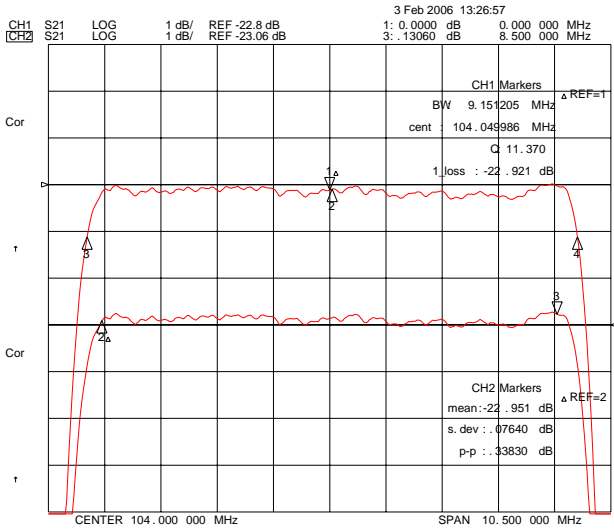
**ITF Co., Ltd.**  
 102-901, Bucheon Technopark 364,  
 Samjeong-Dong, Ojeong-Gu, Bucheon-City,  
 Gyeonggi-Do, Korea 421-809

Part No. 250906B

Rev. Date 2006-02-03

Rev. NM6004-CS01 4/5

# SAW Bandpass Filter 250906B



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

Part No. 250906B

Rev. Date 2006-02-03

Rev. NM6004-CS01 5/5