

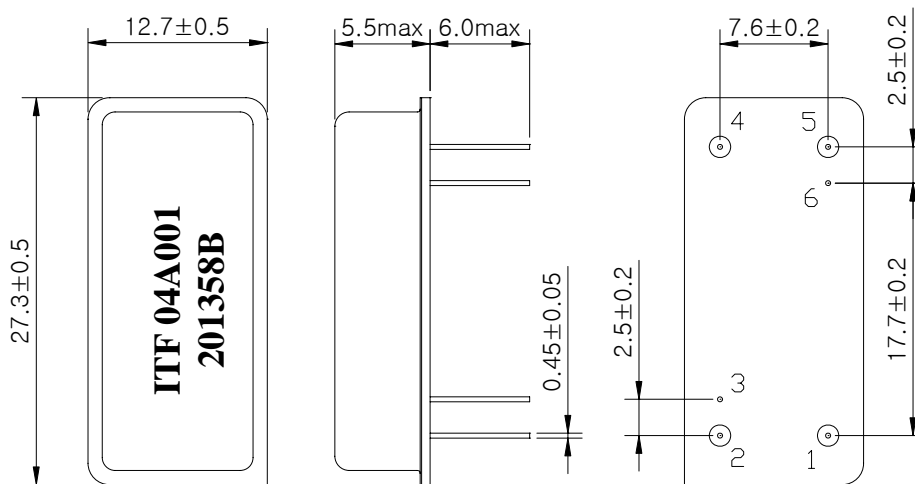
# SAW Bandpass Filter 201358B



## 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 : D2712

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.	201358B	
		Rev. Date	2004-05-07	
		Rev.	NM3037-CS01	1/5

# SAW Bandpass Filter 201358B



## 3. Specifications

Fo = 140.0 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	140.0	-
Insertion Loss	dB	-	23.0	25.0
1dB Bandwidth	MHz	25.0	25.9	-
3dB Bandwidth	MHz	26.3	26.7	-
40dB Bandwidth	MHz	-	30.4	30.8
Amplitude Ripple (Fo +/- 11.3 MHz)	dB	-	0.7	1.0
Group Delay Variation (Fo +/- 11.3 MHz)	nsec	-	30	120
Absolute Delay	usec	-	1.23	-
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

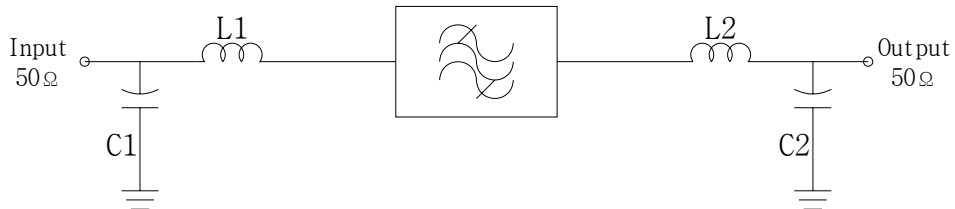
 Integrated Technology Future	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201358B	
		Rev. Date	2004-05-07	
		Rev.	NM3037-CS01	2/5

# SAW Bandpass Filter 201358B



## 4. Matching Schematic

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




L1 = 82 nH,      L2 = 22 nH  
C1 = 14 pF,      C2 = 20 pF

## 5. Marking Configuration

ITF<sup>1)</sup>04A001<sup>2)</sup>  
201358B<sup>3)</sup>

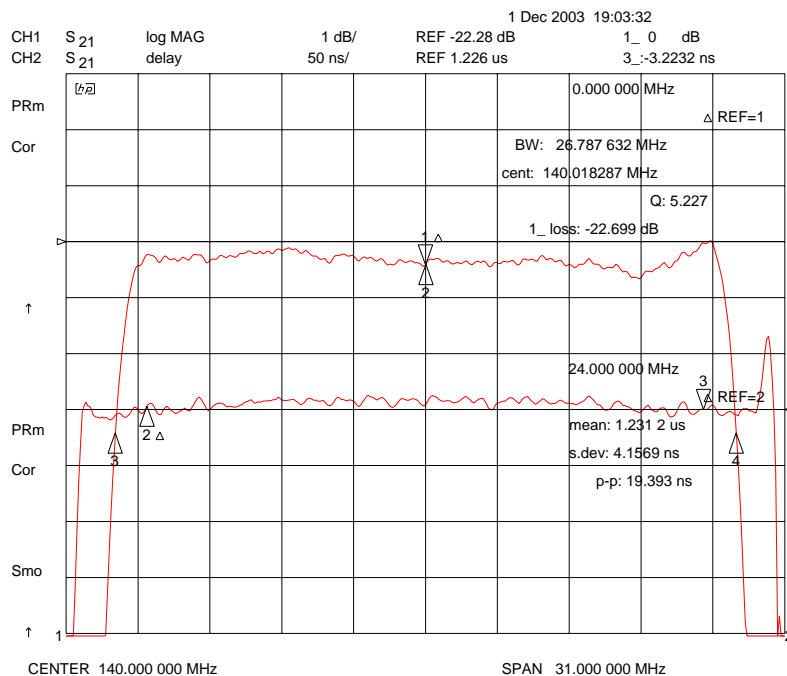
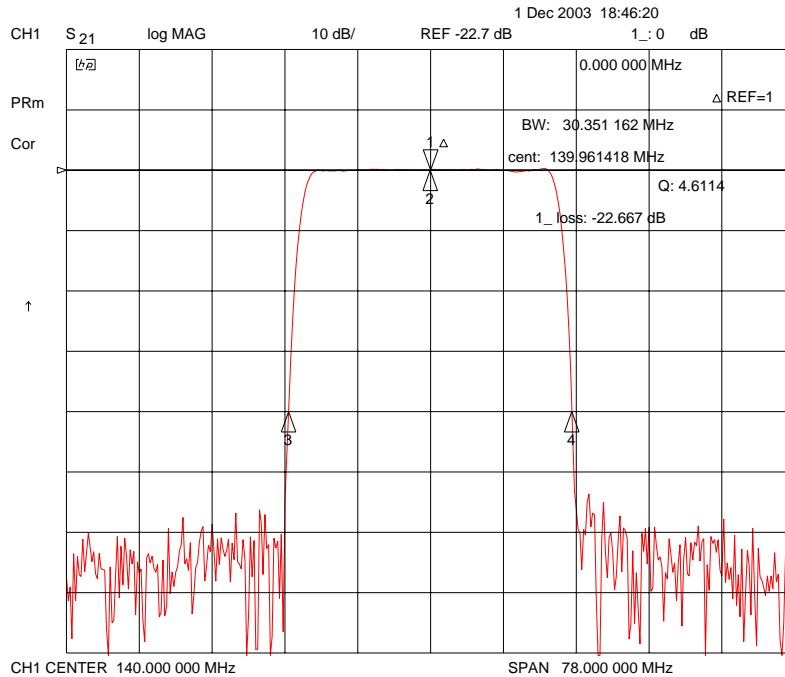
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

 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.	201358B	
		Rev. Date	2004-05-07	
		Rev.	NM3037-CS01	3/5

# SAW Bandpass Filter 201358B



## 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.

201358B

Rev. Date

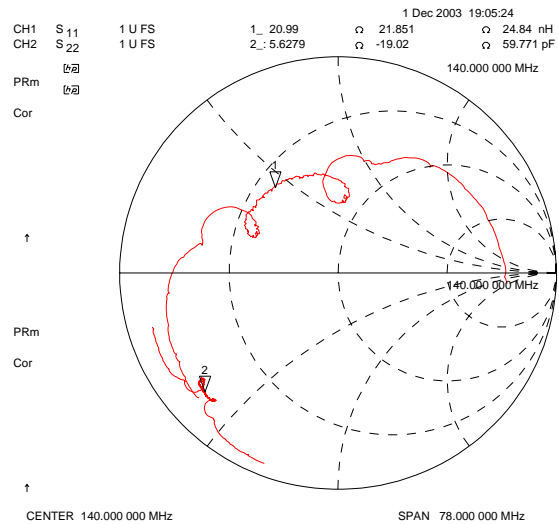
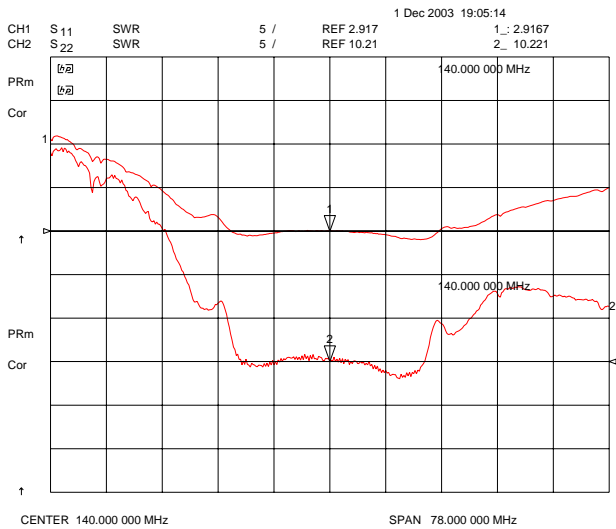
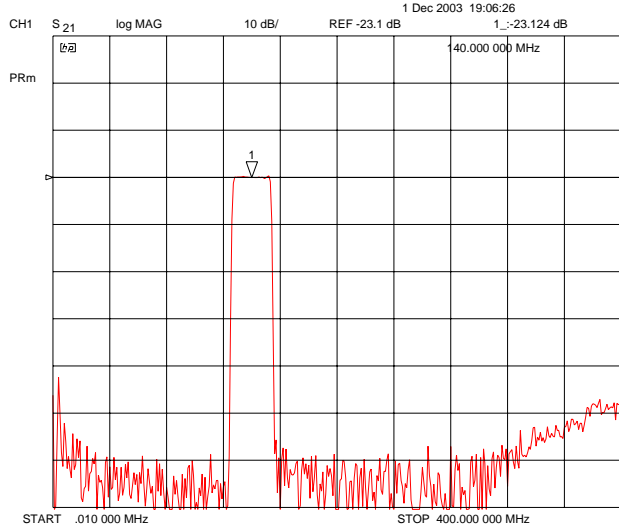
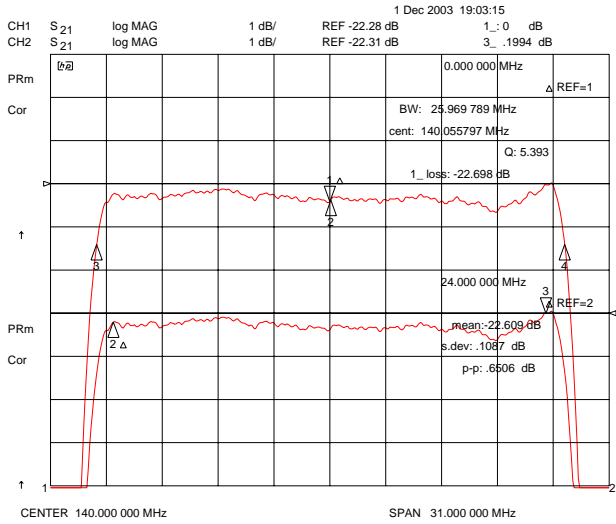
2004-05-07

Rev.

NM3037-CS01

4/5

# SAW Bandpass Filter 201358B



	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809		Part No.	201358B	
			Rev. Date	2004-05-07	
			Rev.	NM3037-CS01	5/5