

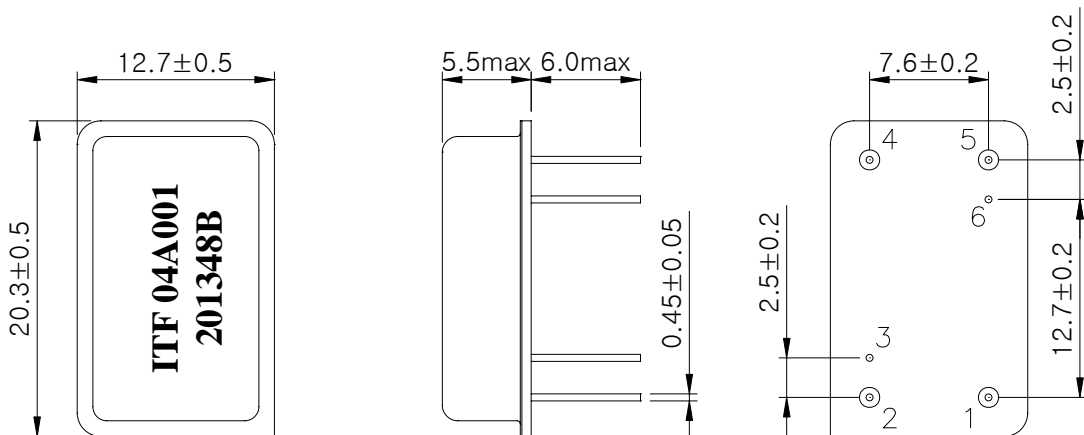
# SAW Bandpass Filter 201348B



## 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.	201348B	
		Rev. Date	2004-05-06	
		Rev.	DS4020-CS03	1/5

# SAW Bandpass Filter 201348B



## 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	139.9	140.0	140.1
Insertion Loss	dB	-	24.5	26.0
1dB Bandwidth	MHz	-	15.5	-
3dB Bandwidth	MHz	16.0	16.4	-
40dB Bandwidth	MHz	-	19.45	20.2
Amplitude Ripple (Fo +/- 7.25 MHz)	dB	-	0.5	0.8
Group Delay Variation (Fo +/- 7.25 MHz)	nsec	-	40	100
Absolute Delay	usec	-	1.38	-
Ultimate Rejection	dB	45	48	-
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

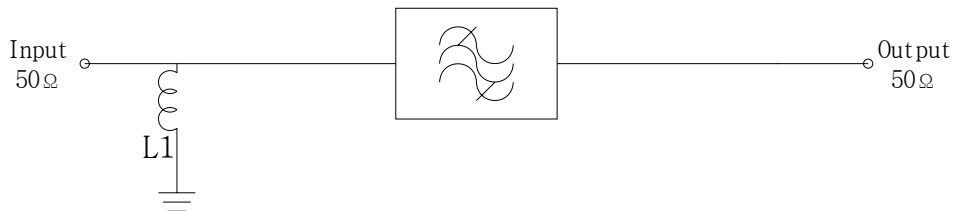
	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201348B	
		Rev. Date	2004-05-06	
		Rev.	DS4020-CS03	2/5

# SAW Bandpass Filter 201348B



## 4. Matching Schematic

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



L1 = 33 nH

## 5. Marking Configuration

ITF<sup>1)</sup> 04A001<sup>2)</sup>  
201348B<sup>3)</sup>

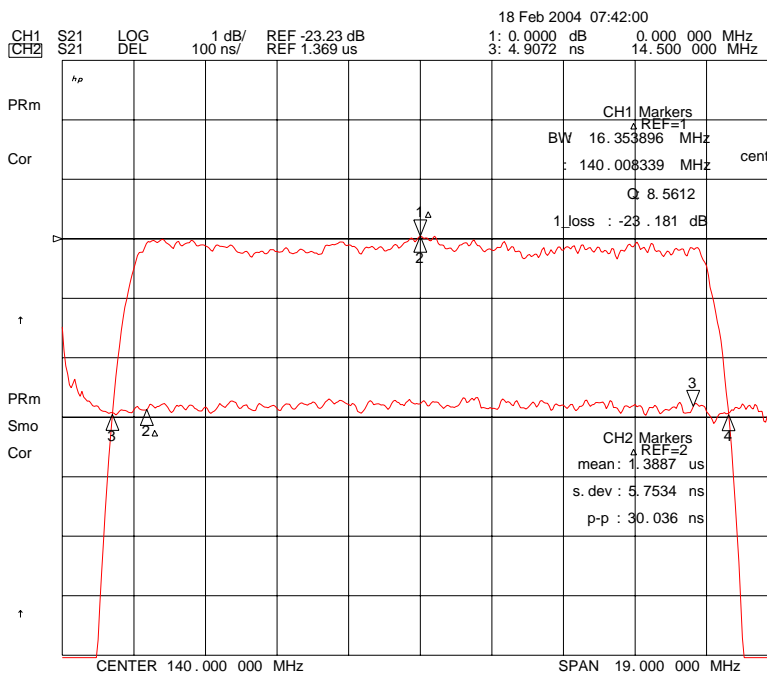
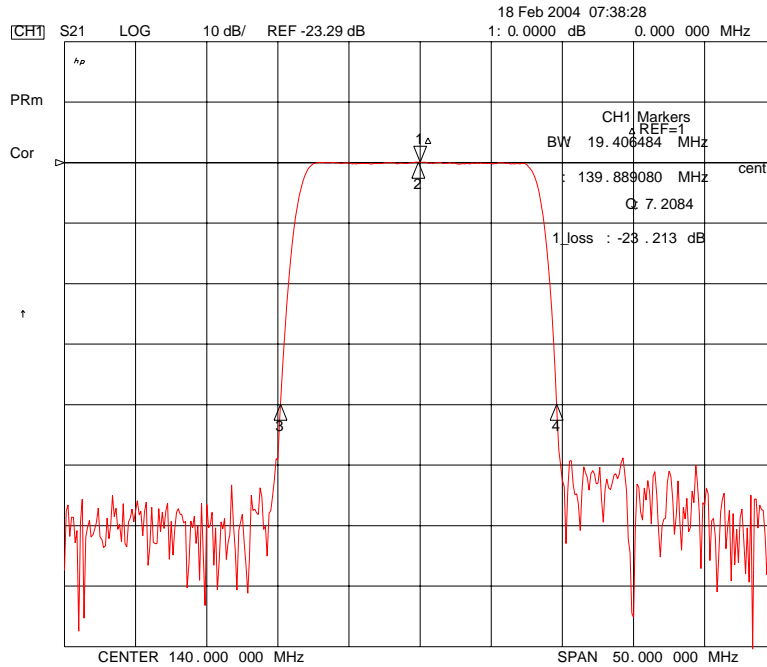
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201348B	
		Rev. Date	2004-05-06	
		Rev.	DS4020-CS03	3/5

# SAW Bandpass Filter 201348B



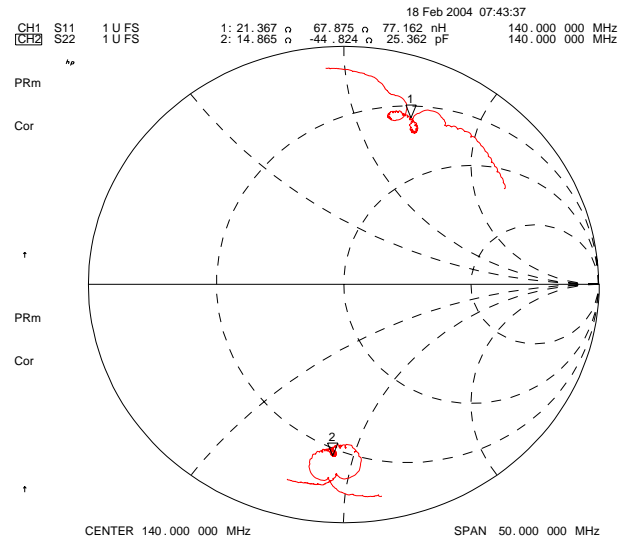
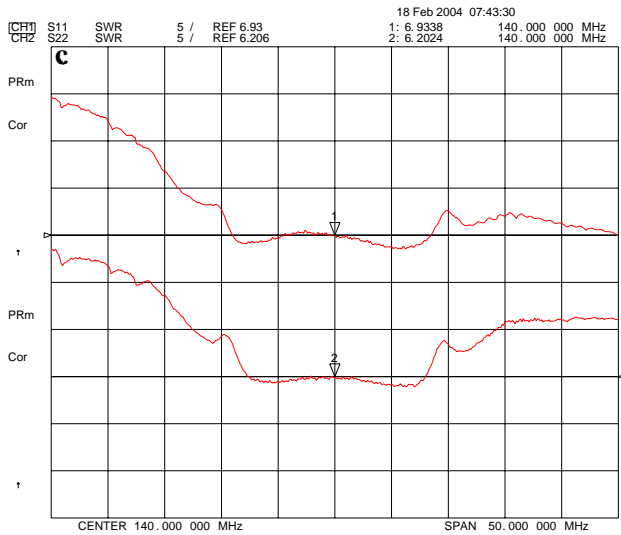
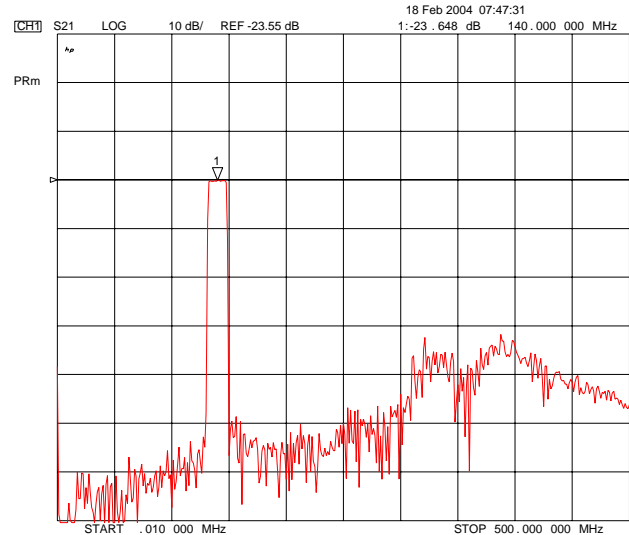
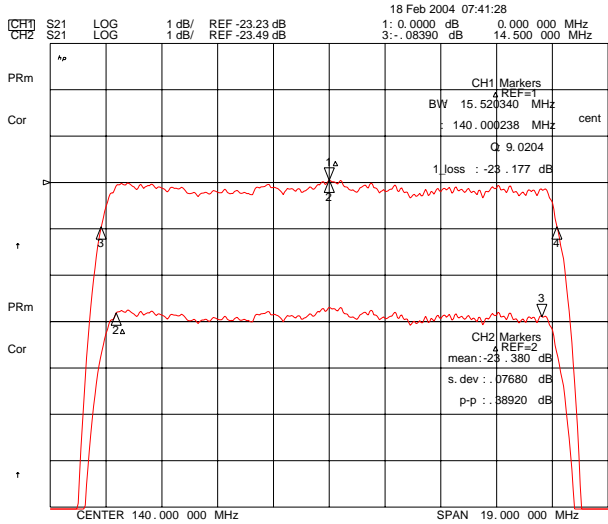
## 6. Typical Performance ( at +25°C )



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

Part No.	201348B	
Rev. Date	2004-05-06	
Rev.	DS4020-CS03	4/5

# SAW Bandpass Filter 201348B



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

Part No.	201348B	
Rev. Date	2004-05-06	
Rev.	DS4020-CS03	5/5