

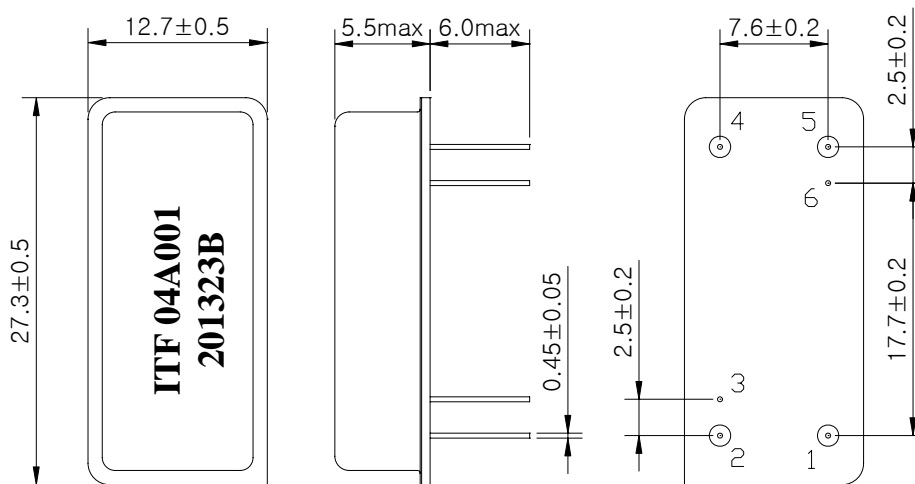
# SAW Bandpass Filter 201323B



## 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.	201323B	
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## 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	-	5.0	-
3dB Bandwidth	MHz	5.2	5.5	5.6
40dB Bandwidth	MHz	-	7.48	7.8
Amplitude Ripple (Fo +/- 2.2 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo +/-2.2 MHz)	nsec	-	60	150
Absolute Delay	usec	-	1.6	2.0
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C <sup>2</sup>	-	-0.03	-

### 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

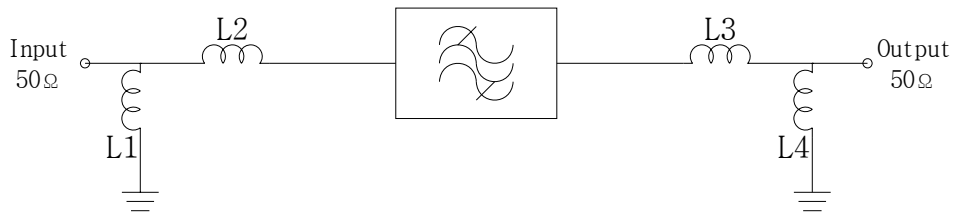
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## 4. Matching Schematic

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




L2 = 68 nH,      L3 = 68 nH  
L1 = 39 nH      L4 = 47 nH

## 5. Marking Configuration

ITF<sup>1)</sup>04A001<sup>2)</sup>  
201323B<sup>3)</sup>

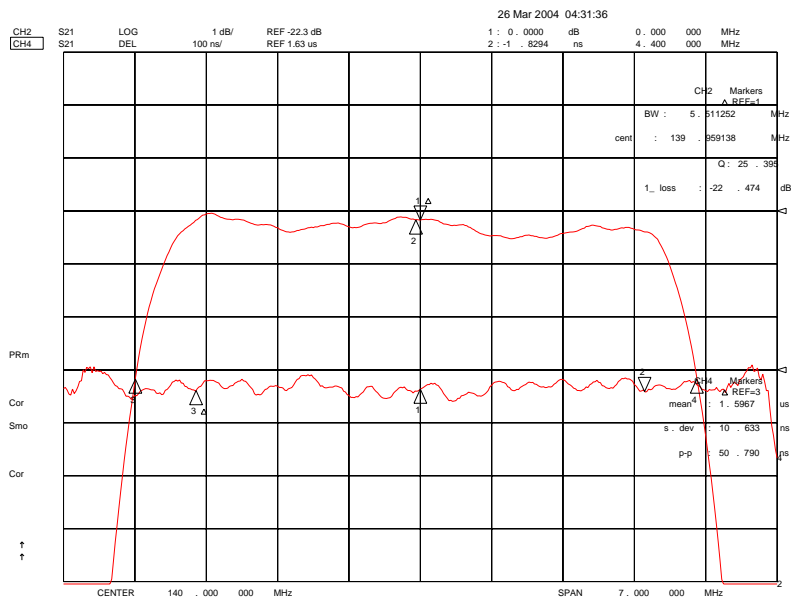
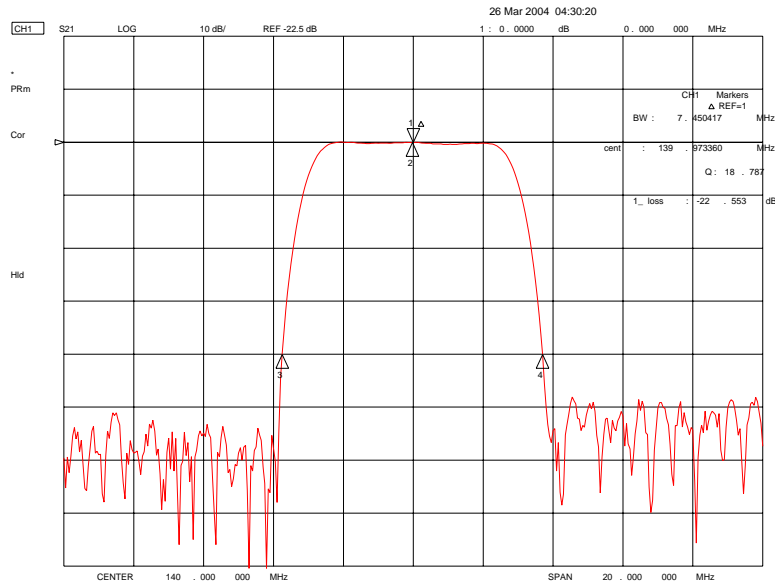
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

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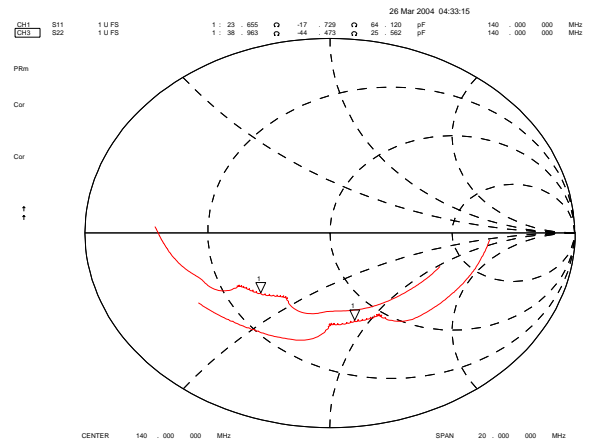
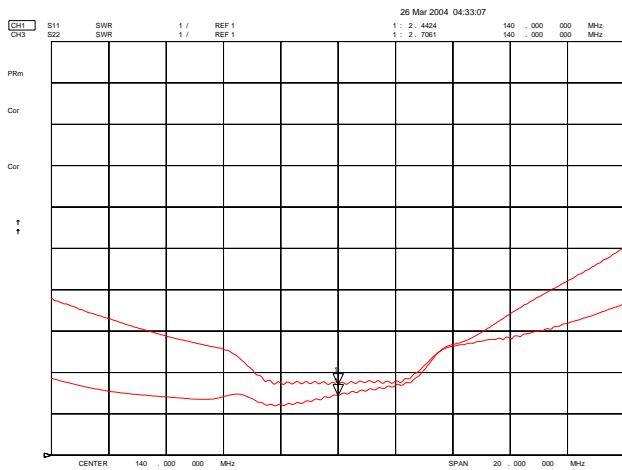
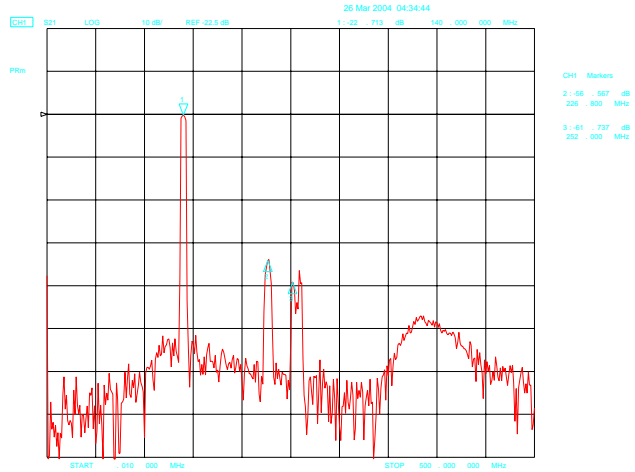
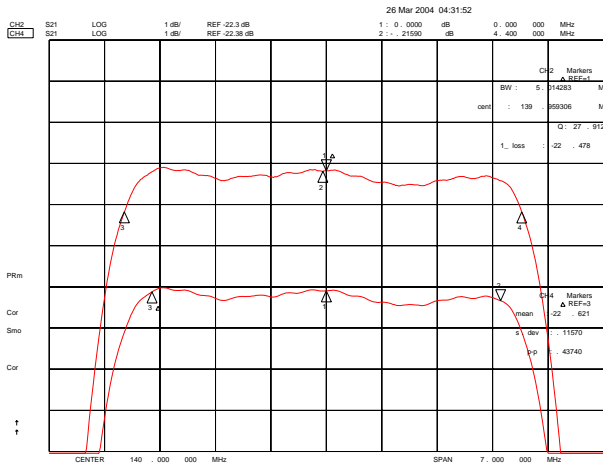


## 6. Typical Performance ( at +25°C )



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