

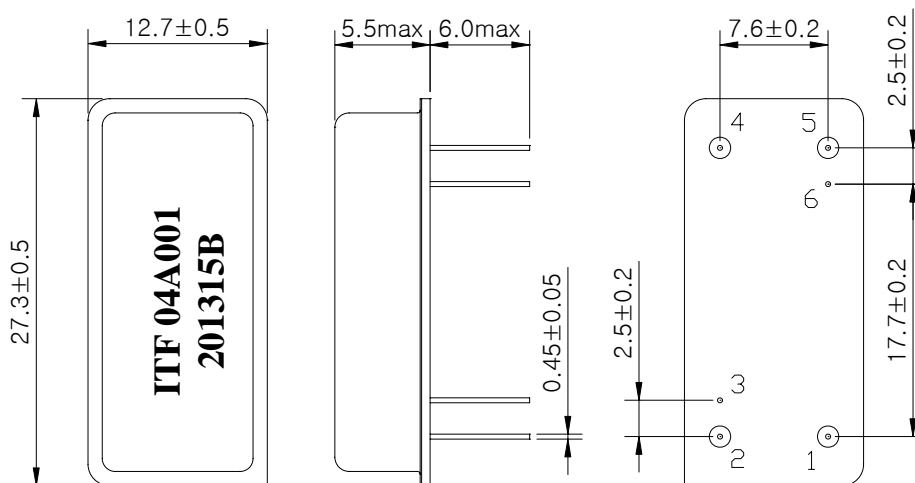
# SAW Bandpass Filter 201315B



## 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

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## 3. Specifications

Fo = 140 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	-	3.62	-
3dB Bandwidth	MHz	3.8	3.9	4.2
40dB Bandwidth	MHz	-	4.94	5.2
Amplitude Ripple (Fo +/- 1.65 MHz)	dB	-	0.6	0.9
Group Delay Variation (Fo +/- 1.65 MHz)	nsec	-	120	180
Absolute Delay	usec	-	2.52	-
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

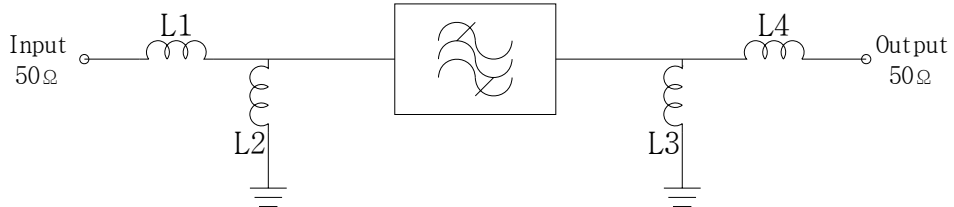
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## 4. Matching Schematic

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



L1 = 100 nH,      L4 = 150 nH  
 L2 = 180 nH      L3 = 180 nH

## 5. Marking Configuration

ITF<sup>1)</sup>04A001<sup>2)</sup>  
 201315B<sup>3)</sup>

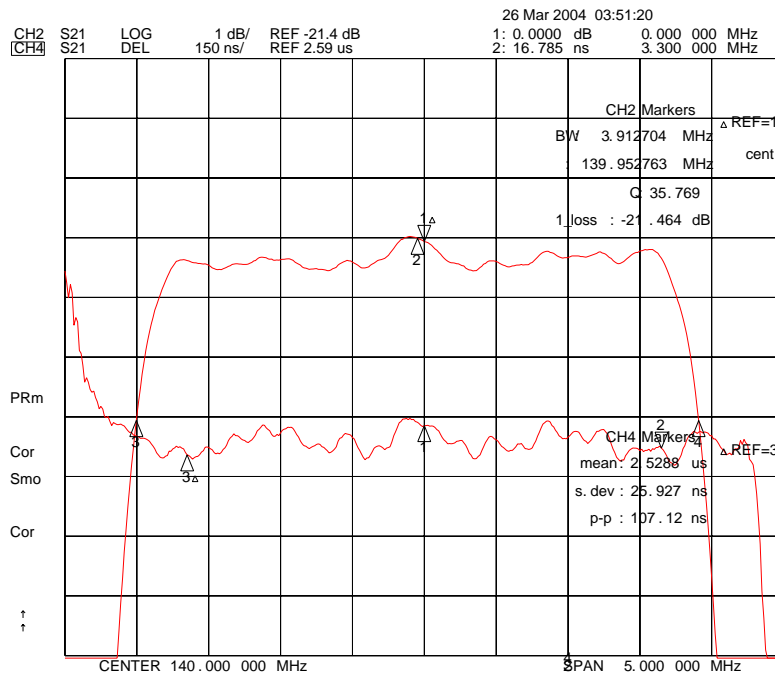
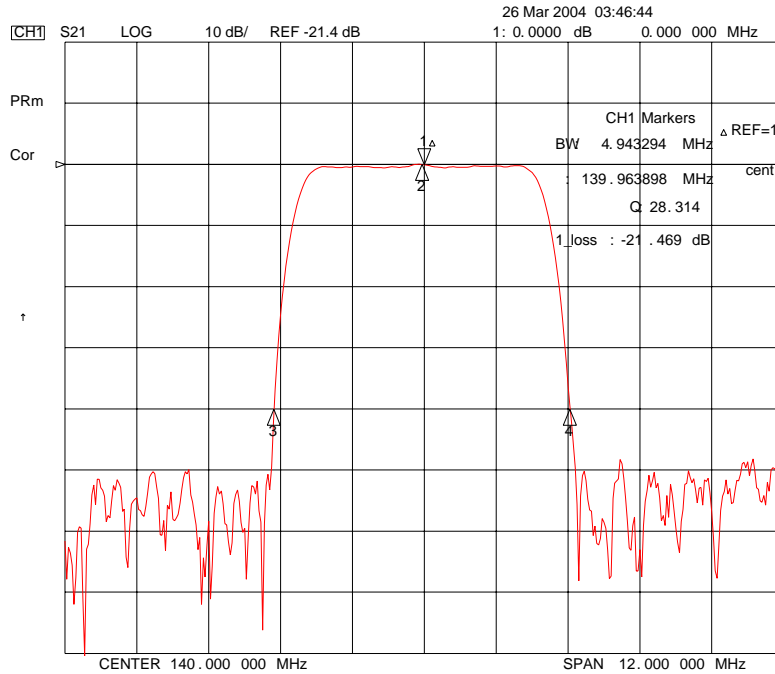
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

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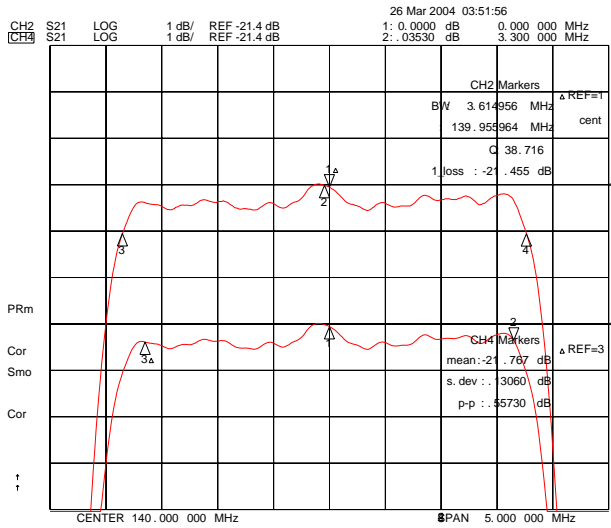


## 6. Typical Performance ( at +25°C )

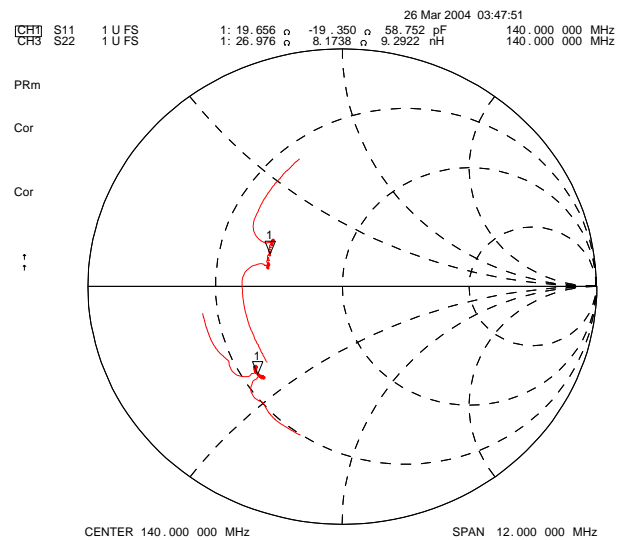
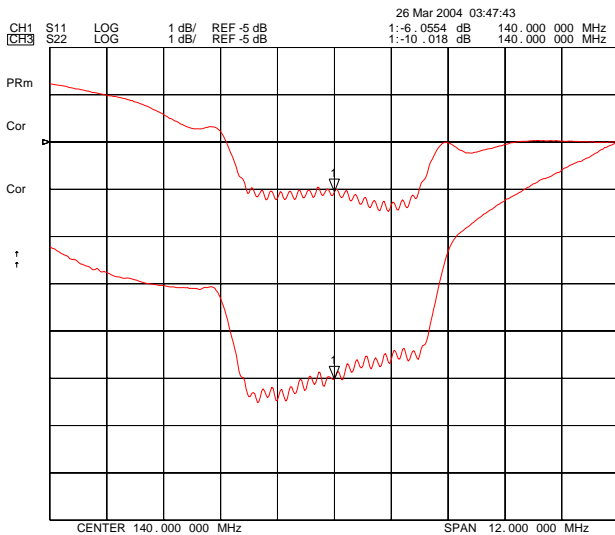
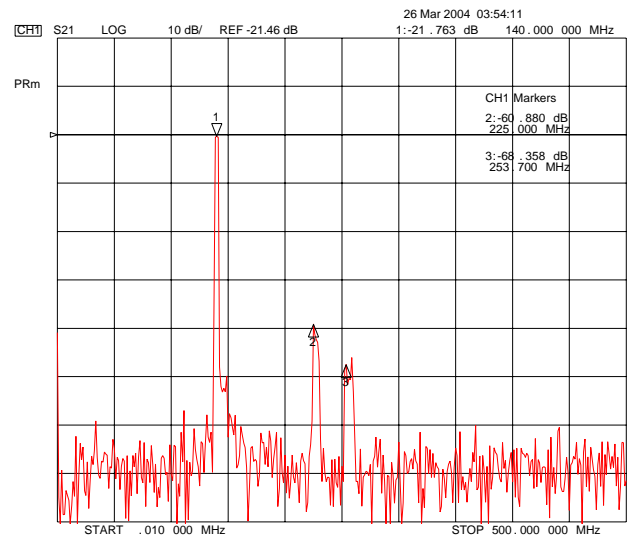


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**ITF Co., Ltd.**  
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 Samjeong-Dong, Ojeong-Gu, Bucheon-City,  
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