

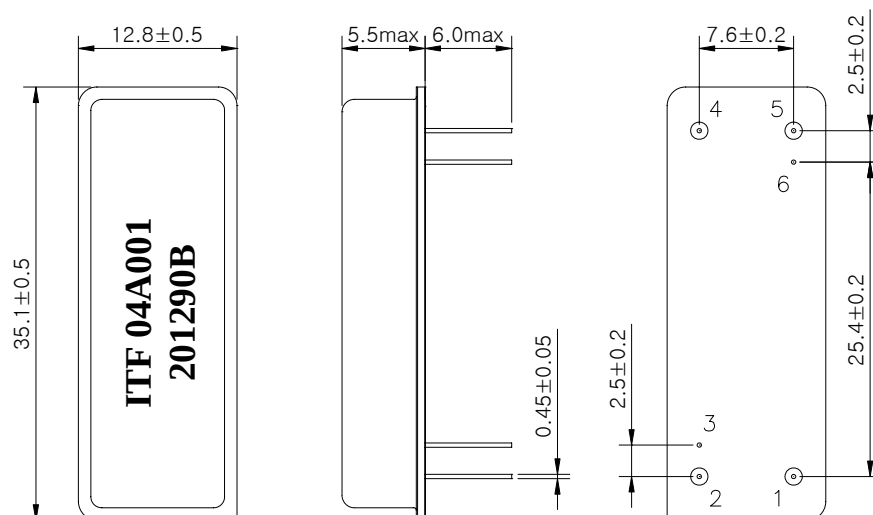
SAW Bandpass Filter 201290B



1. Features

- IF Bandpass Filter
- High Attenuation
- Single-Ended Operation
- DIP Package
- Maximum Storage Temperature Range : -40℃ ~ 85℃
- Electrostatics Sensitive Device (ESD)

2. Package Dimension



Package : D3512

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
4	Output
2, 5	Ground
Other	Case ground

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	201290B	
		Rev. Date	2004-04-06	
		Rev.	NW3001- CS02	1/5

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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	139.92	140.0	140.08
Insertion Loss	dB	-	20.0	24.0
1dB Bandwidth	MHz	1.2	1.25	-
3dB Bandwidth	MHz	1.4	1.47	-
40dB Bandwidth	MHz	-	2.17	2.3
Amplitude Ripple (Fo +/- 0.55 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo +/- 0.55 MHz)	nsec	-	240	300
Absolute Delay	usec	-	3.71	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C ²	-	-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

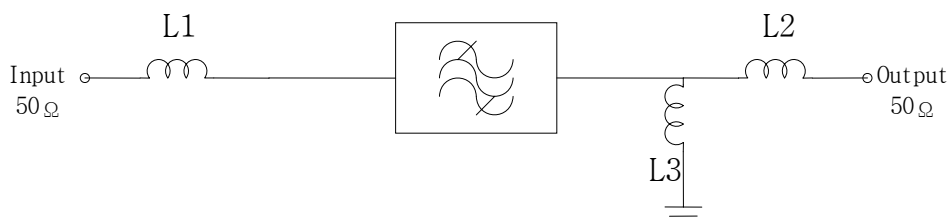
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4. Matching Schematic

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



$$L1 = L2 = L3 = 39 \text{ nH}$$

5. Marking Configuration

ITF¹⁾ 04A001²⁾
201290B³⁾

1) Manufacturer name

2) Lot Number

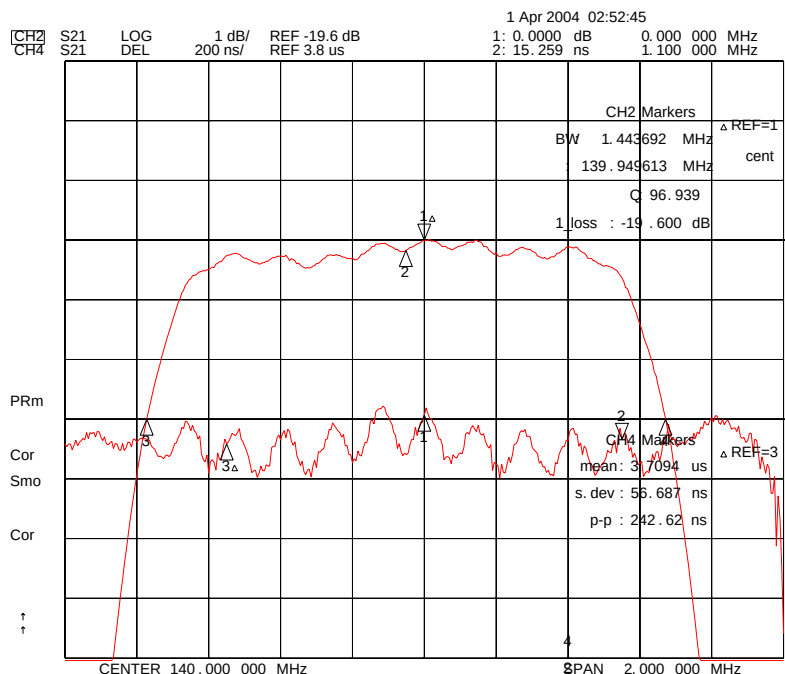
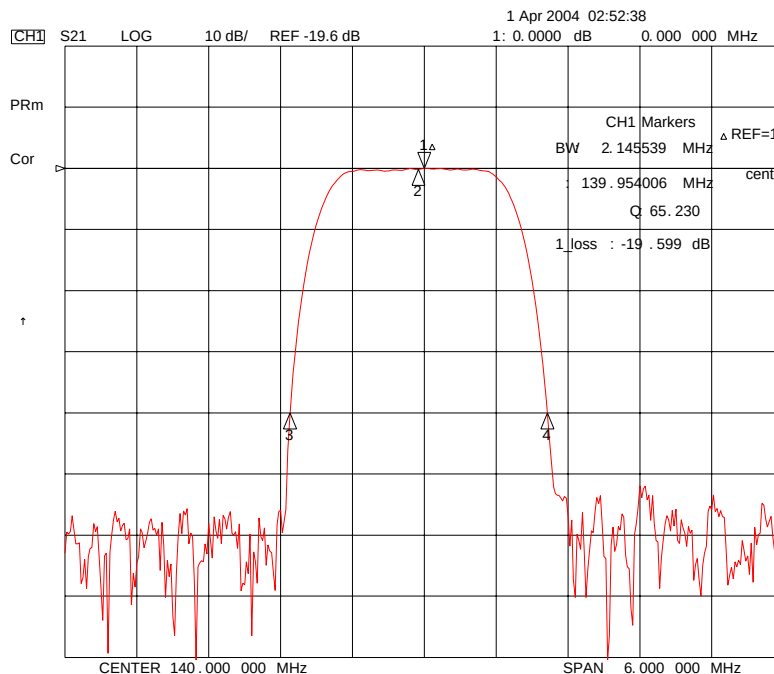
3) Part Number

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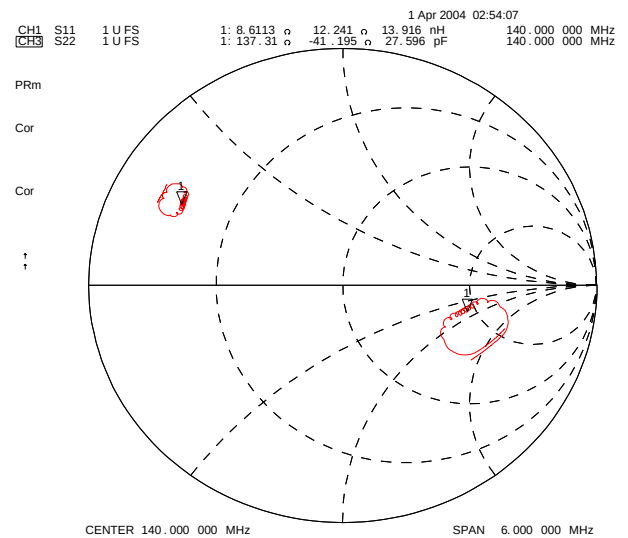
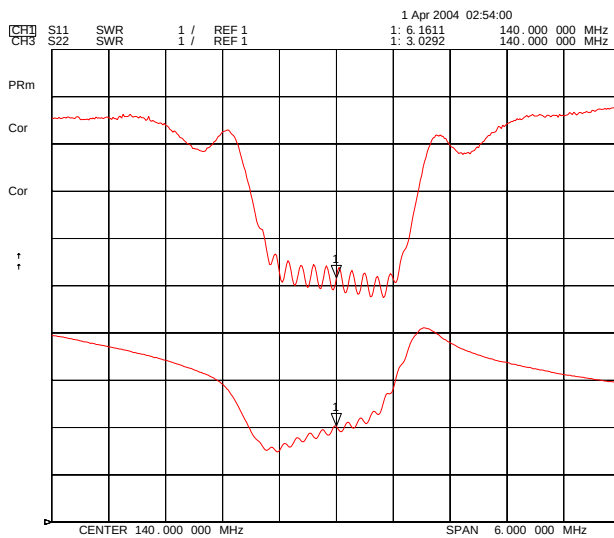
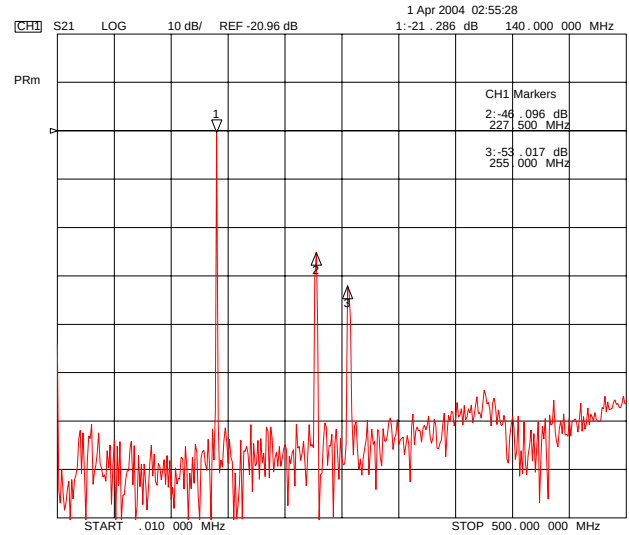
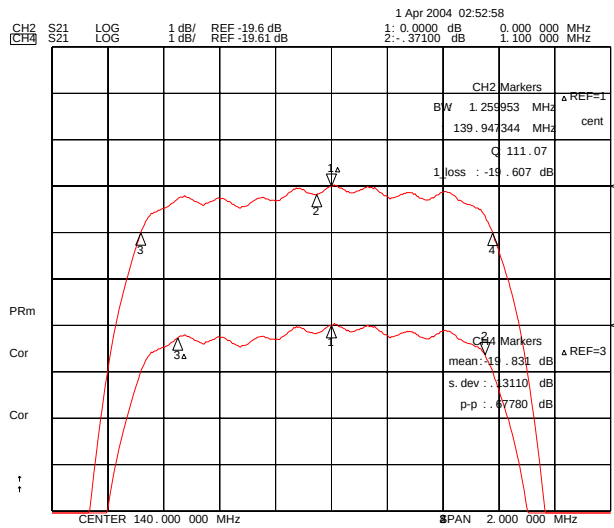


6. Typical Performance (at +25℃)



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