

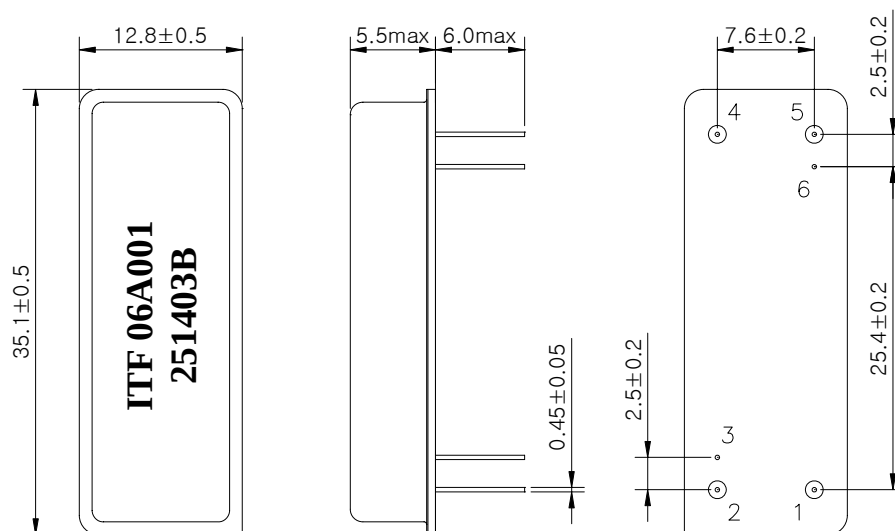
SAW Bandpass Filter 251403B



1. Features

- IF bandpass filter
- High attenuation
- Single-ended operation
- DIP Package
- Maximum Storage Temperature Range : $-30^{\circ}\text{C} \sim 80^{\circ}\text{C}$
- 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
5	Output
2, 4	Ground
3, 6	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.	251403B
		Rev. Date	2006-11-02
	Rev.	NM6036-CS01	1/10

SAW Bandpass Filter 251403B



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	-
Insertion Loss	dB	-	25.5	28
1dB Bandwidth	MHz	-	14.05	-
3dB Bandwidth	MHz	14.1	14.3	-
35dB Bandwidth	MHz	-	15.25	15.3
40dB Bandwidth	MHz	-	15.3	15.4
Amplitude Ripple (Fo +/- 6.75 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo +/- 6.75 MHz)	nsec	-	50	100
Absolute Delay	usec	-	4.14	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

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

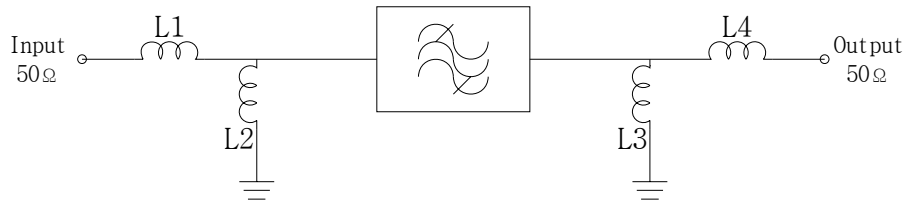
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		Rev. Date	2006-11-02	
		Rev.	NM6036-CS01	2/10

SAW Bandpass Filter 251403B



4. Matching Schematic

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



L1 = 22nH, L2 = 33nH,

L3 = 33nH, L4 = 22nH

5. Marking Configuration

ITF¹⁾ 06A001²⁾

251403B³⁾

1) Manufacturer name

2) Lot Number

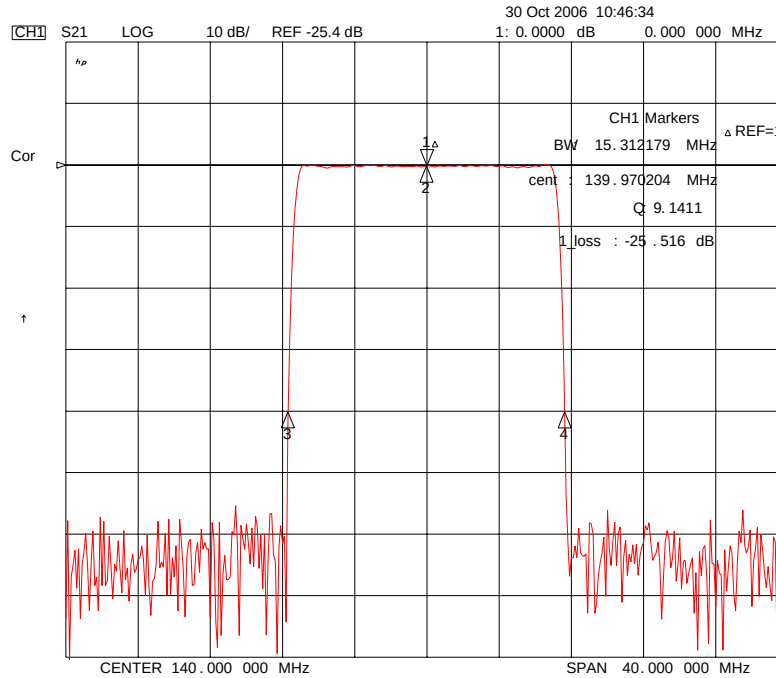
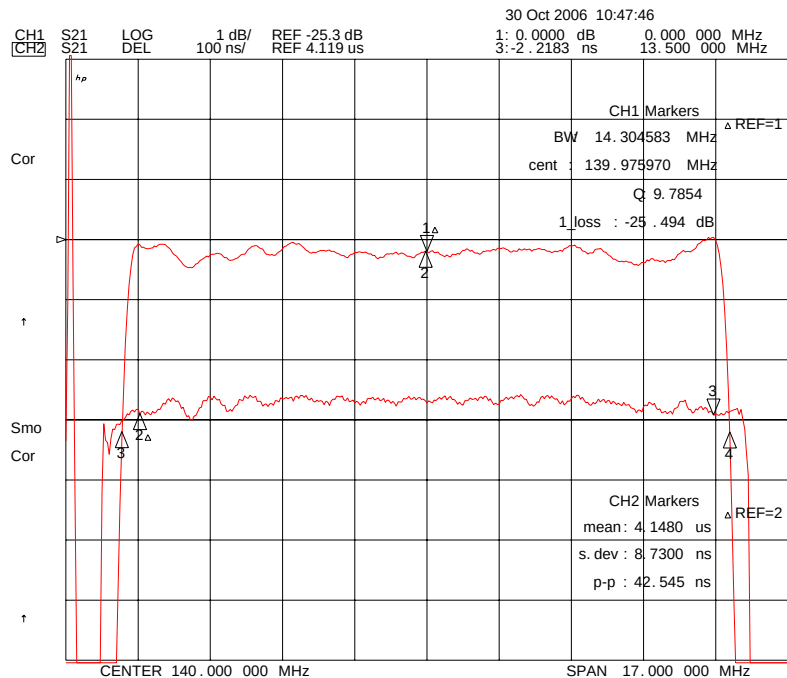
3) Part Number

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		Rev.	NM6036-CS01	3/10

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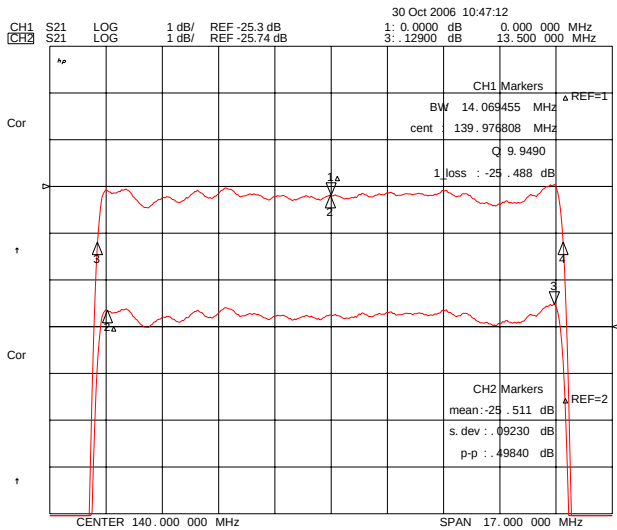
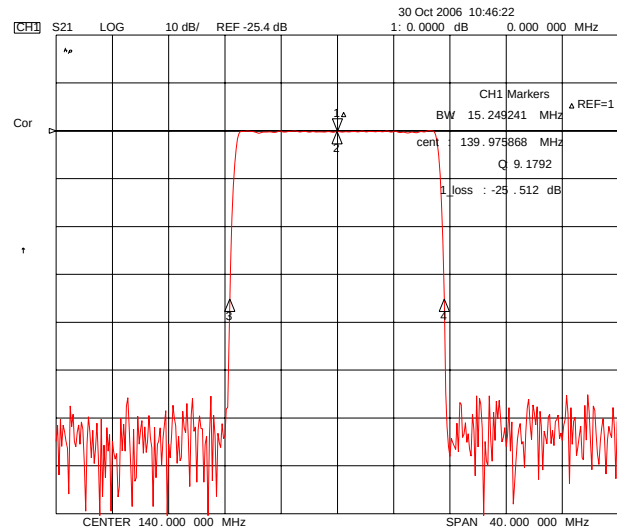
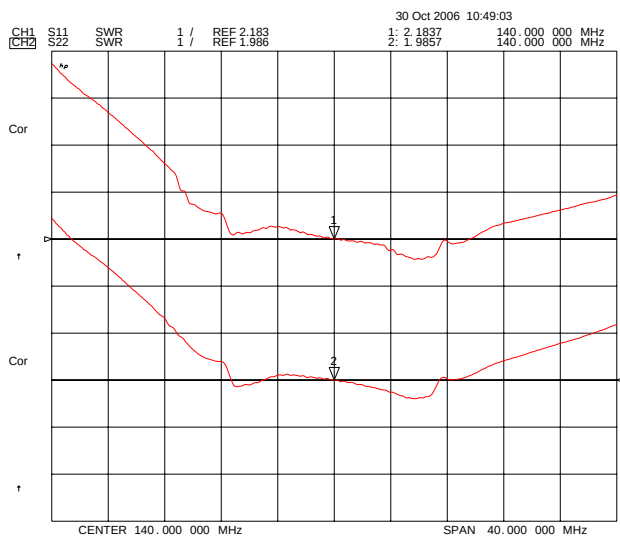
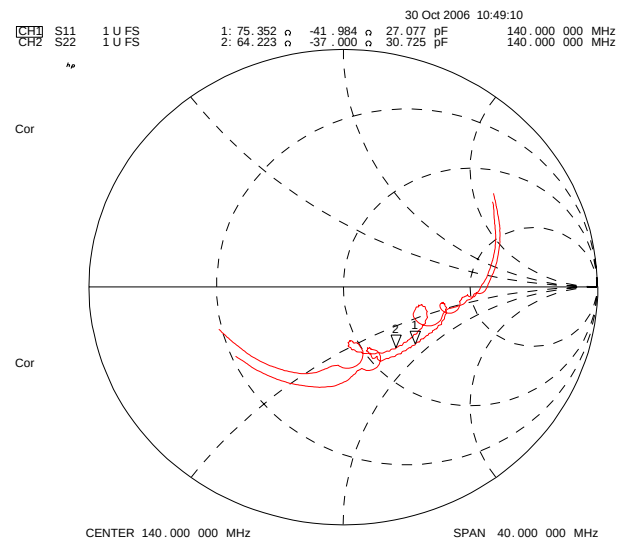


6. Typical Performance (at +25℃)



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5/10