

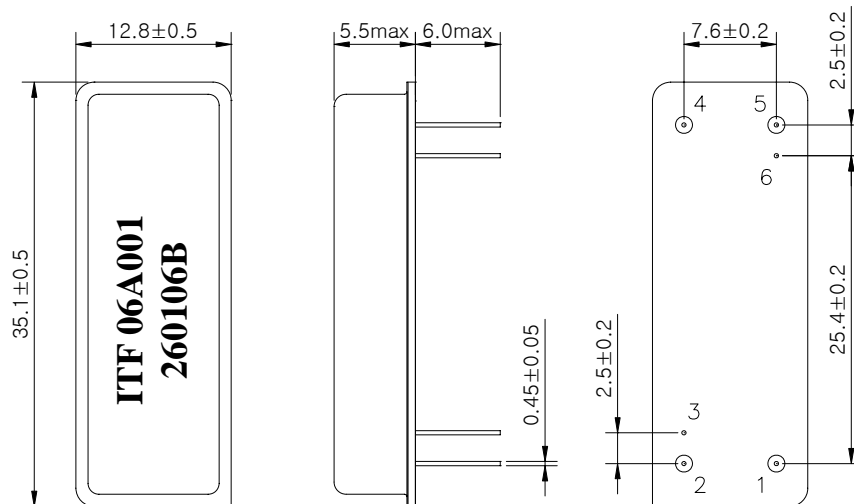
SAW Bandpass Filter 260106B



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 : 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
3, 6	Case ground

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	260106B	
		Rev. Date	2006-07-11	
		Rev.	NW6005-CS01	1/5

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3. Specifications

Fo = 221.9 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	221.84	221.9	221.96
Insertion Loss	dB	-	22.7	25.0
1.5dB Bandwidth	MHz	1.6	1.68	-
30dB Bandwidth	MHz	-	2.33	2.4
45dB Bandwidth	MHz	-	2.46	2.8
Amplitude Ripple (Fo +/- 0.65 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo +/- 0.65 MHz)	nsec	-	140	-
Absolute Delay	usec	-	4.2	5.0
Relative attenuation				
2.0 +/- 0.4 MHz	dB	25	30	
2.0 +/- 0.6 MHz	dB	45	50	
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

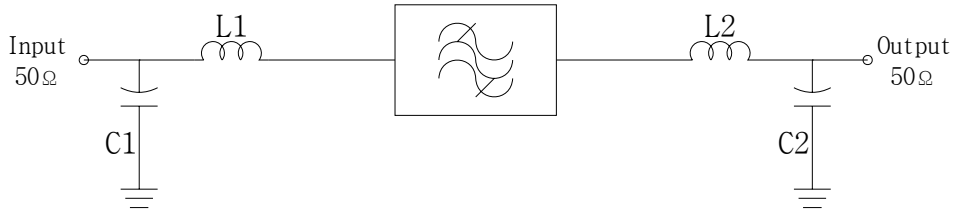
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4. Matching Schematic

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



$$L1 = L2 = 10 \text{ nH}$$

$$C1 = C2 = 27 \text{ pF}$$

5. Marking Configuration


ITF¹⁾ 06A001²⁾

260106B³⁾

1) Manufacturer name

2) Lot Number

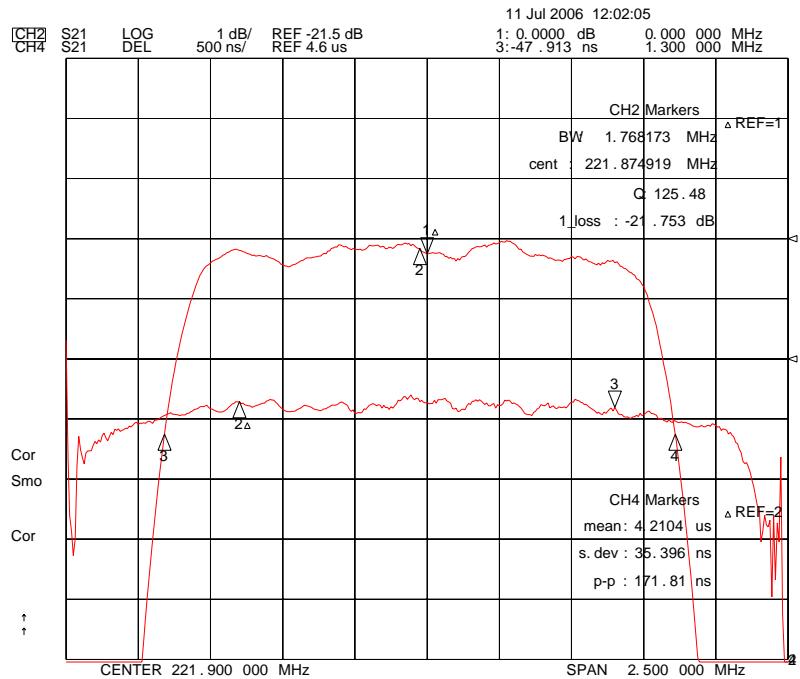
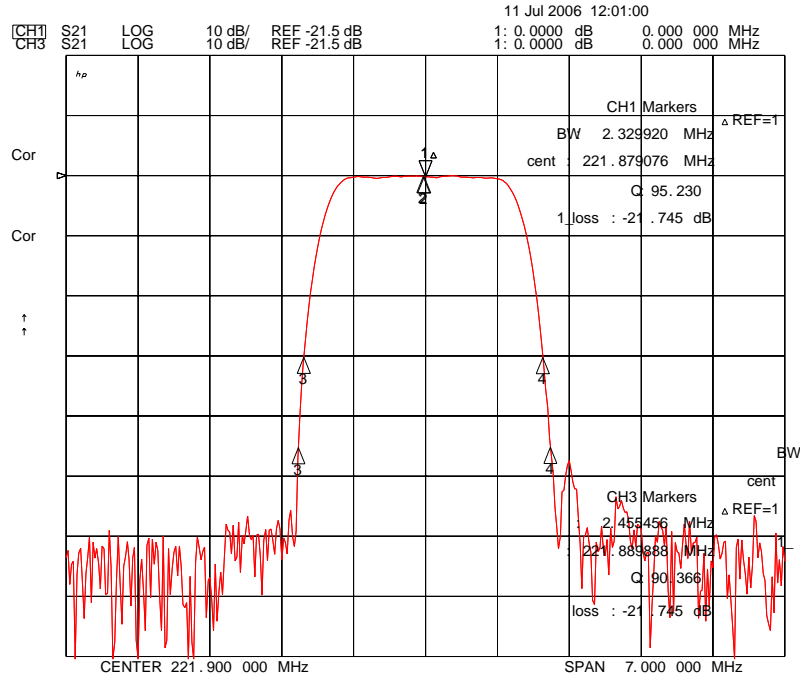
3) Part Number

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	260106B	
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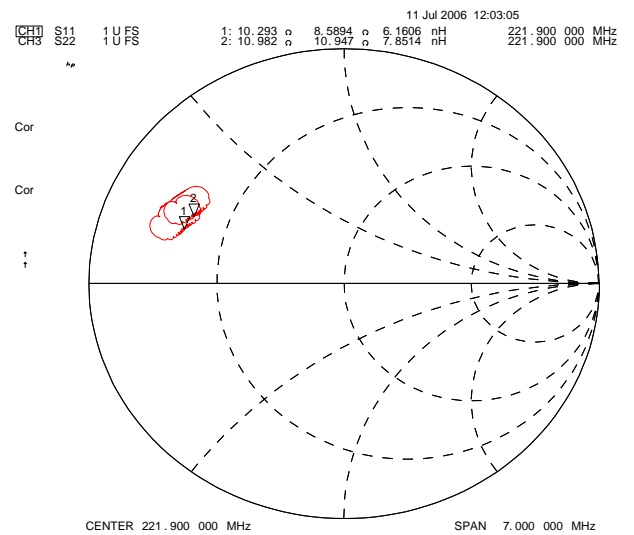
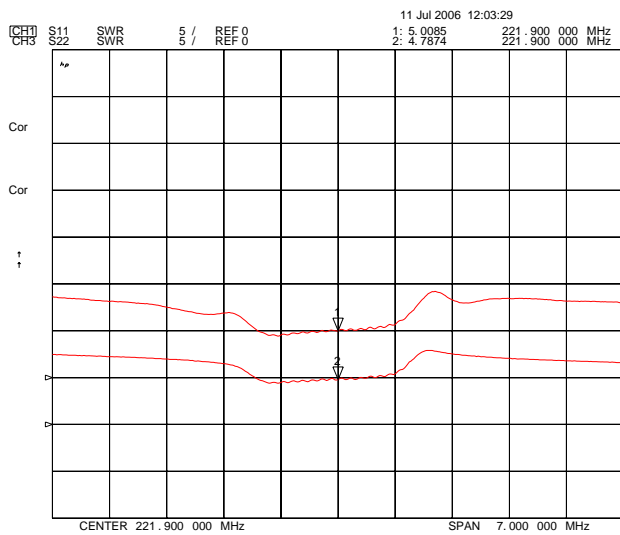
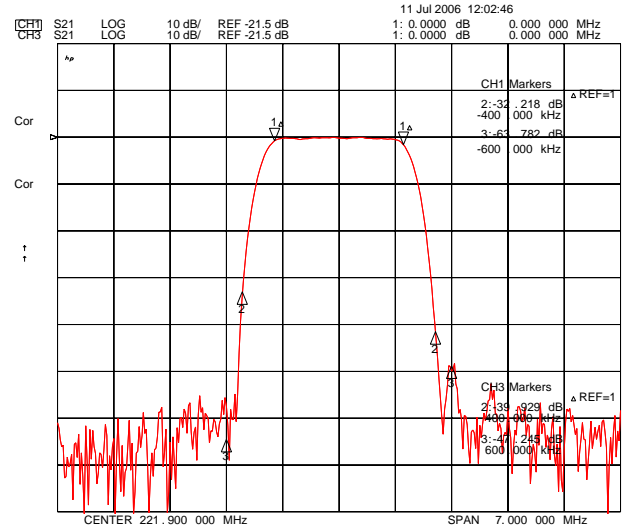
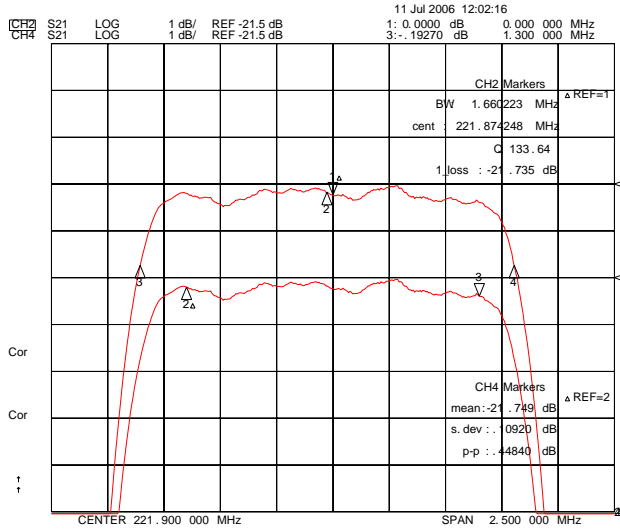


6. Typical Performance (at +25°C)



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