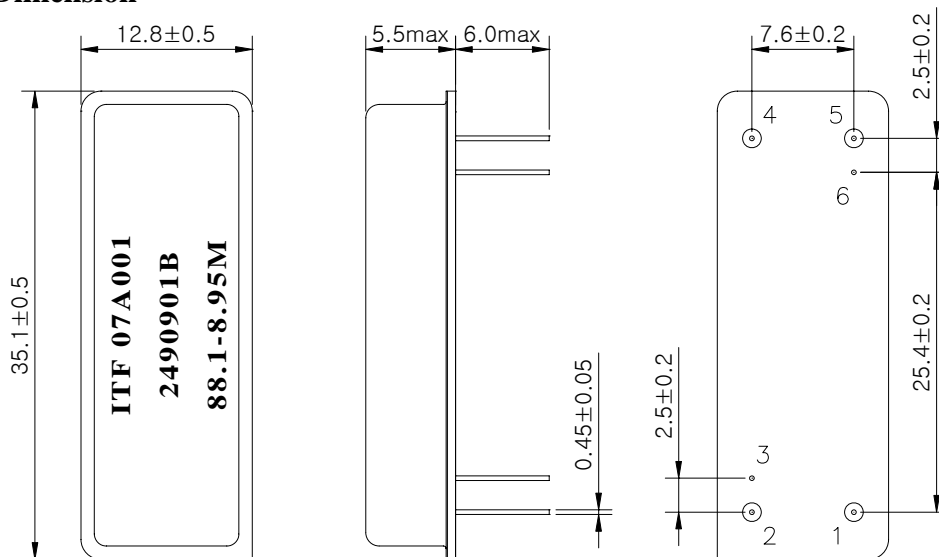


# SAW Bandpass Filter 240901

## 1. Features

- IF bandpass filter
- High attenuation
- Single-ended operation
- SMD 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
5	Output
2, 4	Ground
3, 6	Case ground

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		Rev. Date	2007-03-06	
		Rev.	NM7005-CS01	1/5

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### 3. Specifications

Fo = 88.1 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	88.1	-
Insertion Loss	dB	-	23.8	26.0
1dB Bandwidth	MHz	-	8.95	-
3dB Bandwidth	MHz	9.0	9.15	-
40dB Bandwidth	MHz	-	10.0	10.2
Amplitude Ripple (Fo +/- 4.22 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo +/- 4.22 MHz)	nsec	-	52	100
Absolute Delay	usec	-	3.6	-
Ultimate Rejection	dB	48	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

#### Notes :

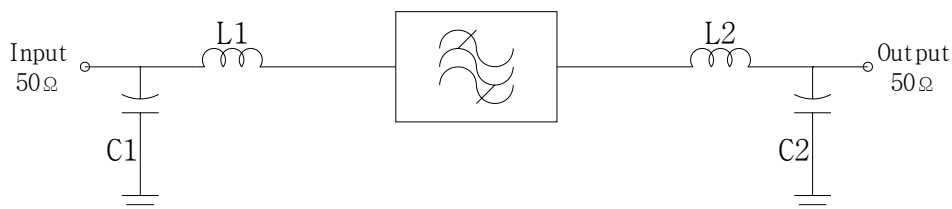
- 1) All specifications are based on the matching schematic shown below
- 2) All specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature
- 3) All attenuation measurements are measured relative to insertion loss

 Integrated Technology Future	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	240901B	
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### 4. Matching Schematic

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



$$L1 = L2 = 33\text{nH},$$

$$C1 = 75\text{pF}, C2 = 36\text{pF}$$


### 5. Marking Configuration

ITF<sup>1)</sup>07A001<sup>2)</sup>

240901B<sup>3)</sup>

88.1<sup>4)</sup>-8.95M<sup>5)</sup>

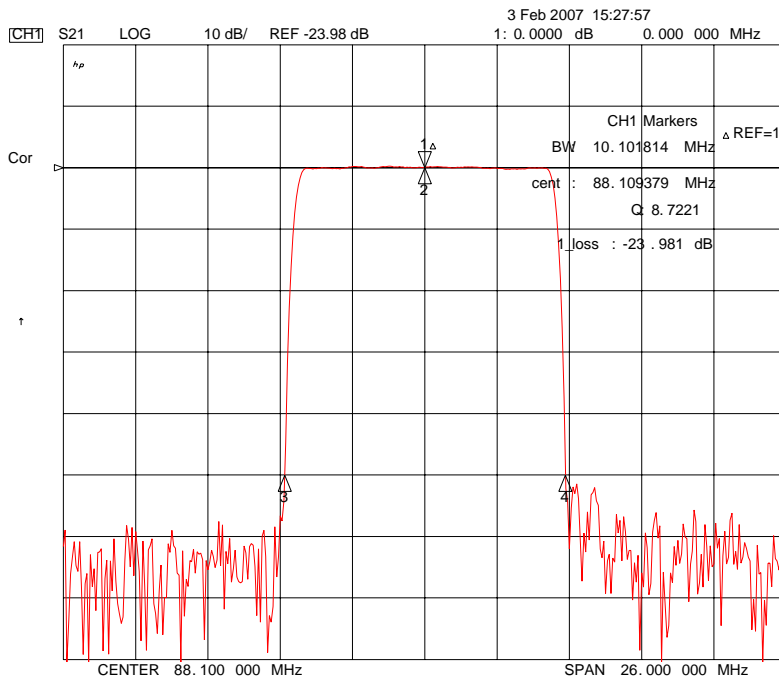
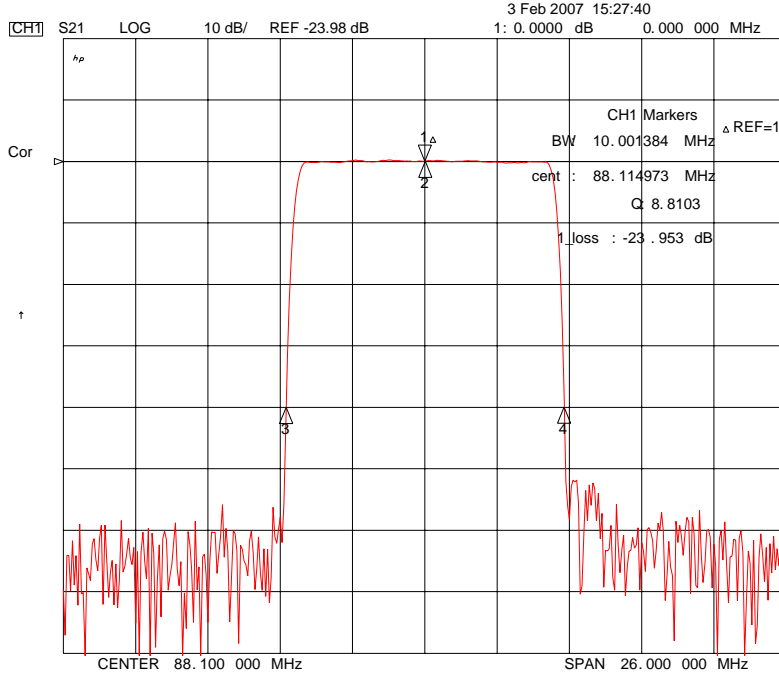
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number
- 4) Center Frequency
- 5) 1dB Band-width

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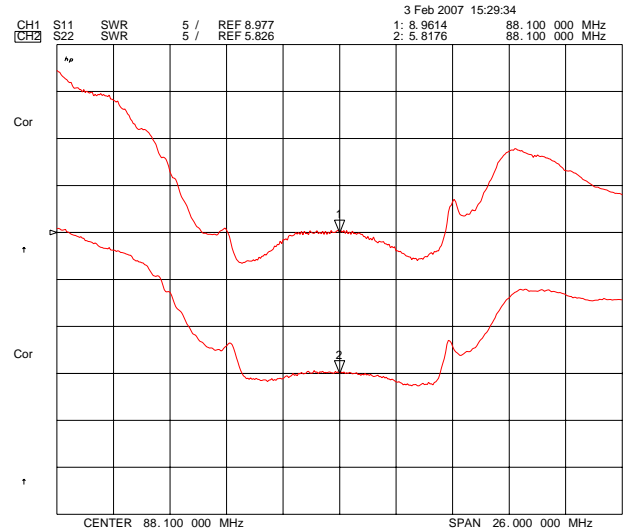
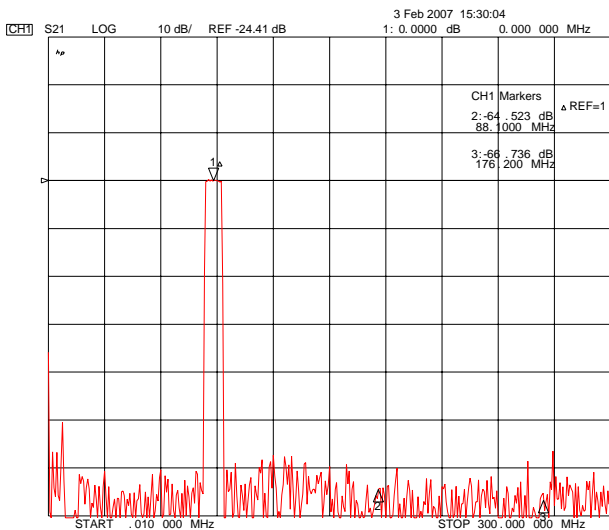
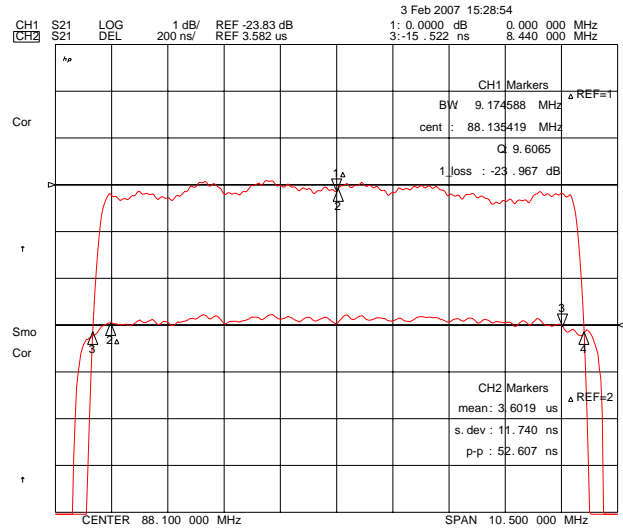
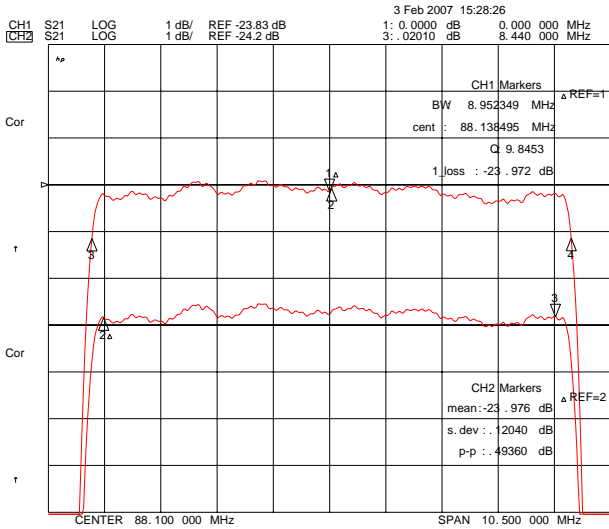


## 6. Typical Performance ( at +25°C )



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