

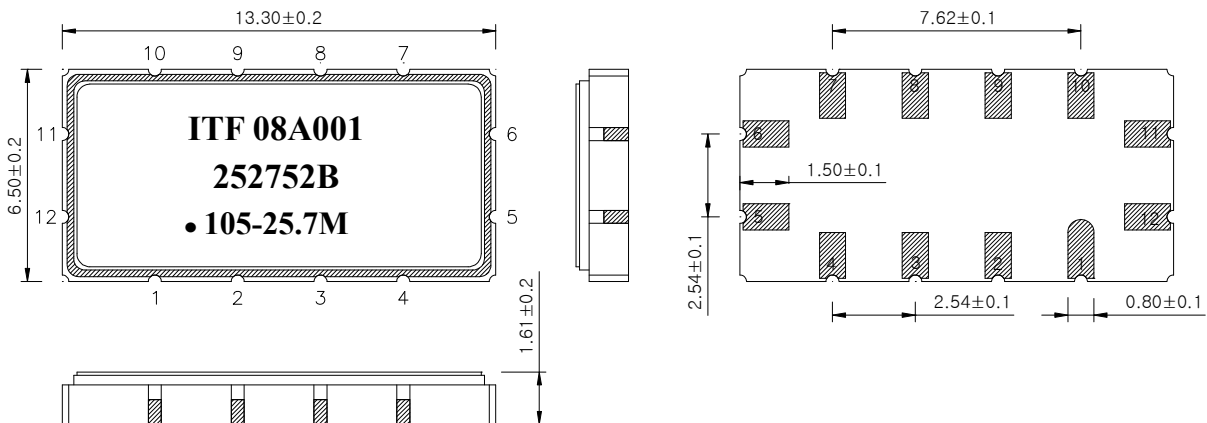
# SAW Bandpass Filter 252752B



## 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 : S1365**

Dimensions shown are nominal in millimeters

Body : Al<sub>2</sub>O<sub>3</sub>

Lid : Kovar, Ni Plated

Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

Pin Configuration	
11	Input
5	Output
6, 12	Ground
Other	Case ground

	<b>ITF Co., Ltd.</b> 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	252752B	
		Rev. Date	2009-01-05	
		Rev.	NM8080-CS01	1/5

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## 3. Specifications

Fo = 105.0 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

Room temperature range : +25°C		Minimum	Typical	Maximum
Center Frequency (Fc)	MHz	-	105.0	-
Insertion Loss	dB	-	22.0	23.5
1dB Bandwidth	MHz	25.5	25.73	-
3dB Bandwidth	MHz	-	27.37	-
40dB Bandwidth	MHz	-	34.5	34.7
Amplitude Ripple (Fo +/- 12.15 MHz)	dB	-	0.55	1.0
Group Delay Variation (Fo +/- 12.15 MHz)	nsec	-	20	50
Absolute Delay	usec	-	0.67	-
Ultimate Rejection	dB	50	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

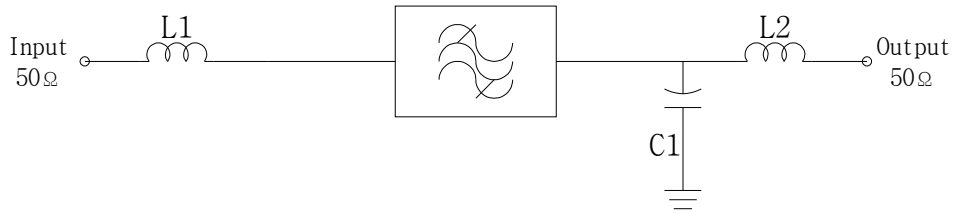
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## 4. Matching Schematic

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



$L1 = 120\text{nH}$ ,  $L2 = 150\text{nH}$ ,

$C1 = 4.3\text{pF}$

## 5. Marking Configuration

ITF<sup>1)</sup> 08A001<sup>2)</sup>

252752B<sup>3)</sup>

105<sup>4)</sup>-25.7M<sup>5)</sup>

●<sup>6)</sup>

1) Manufacturer name


2) Lot Number

3) Part Number

4) Center frequency

5) 1dB-Bandwidth

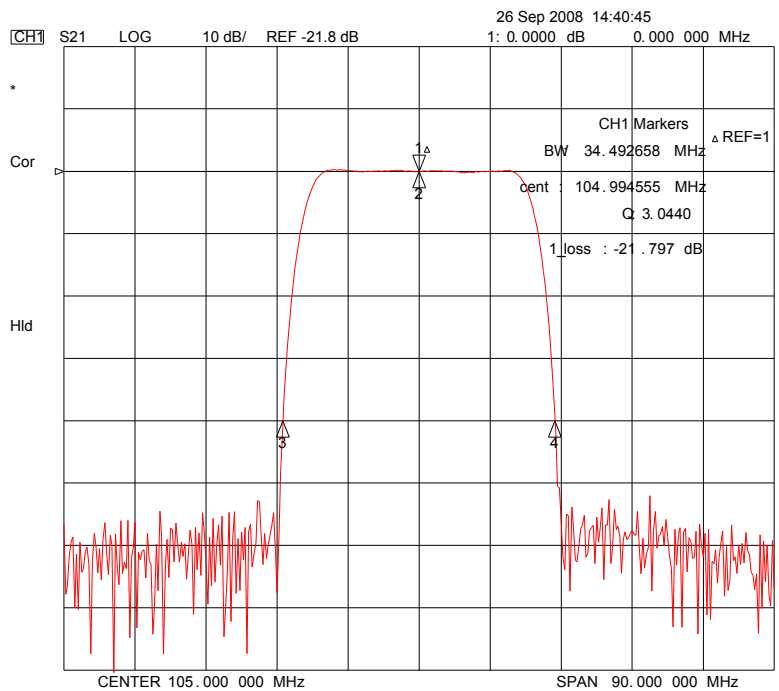
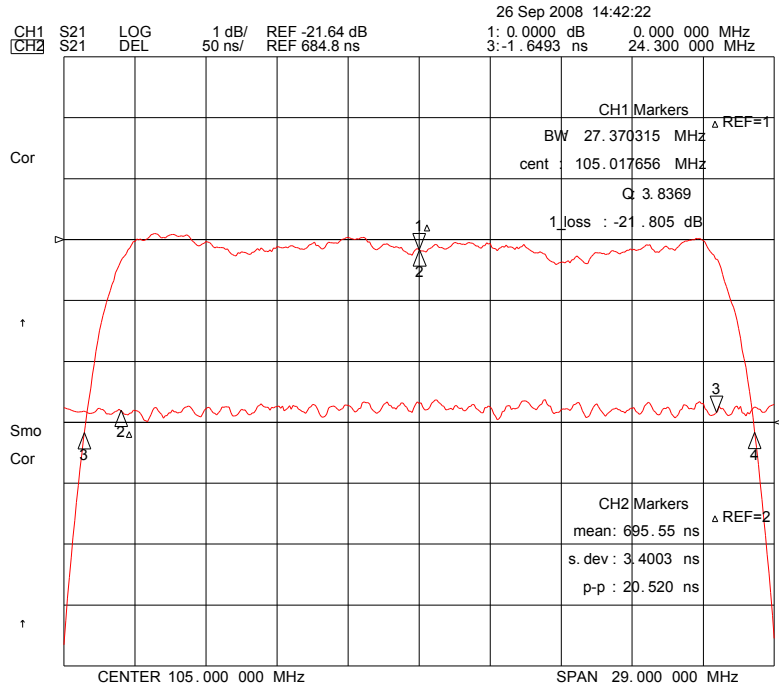
6) Pad Number 1 Index

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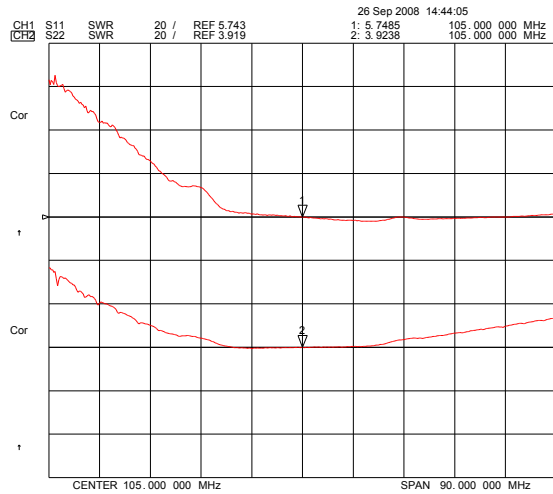
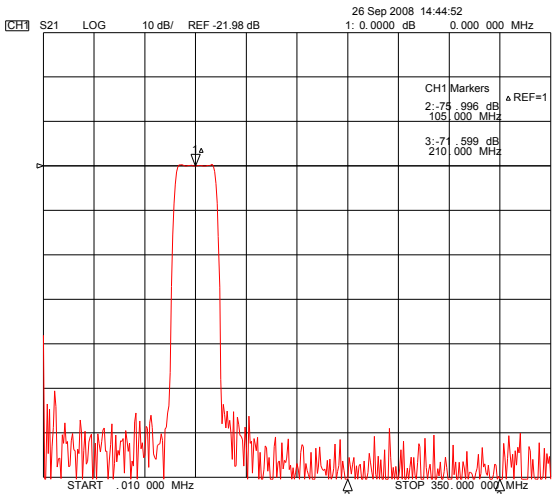
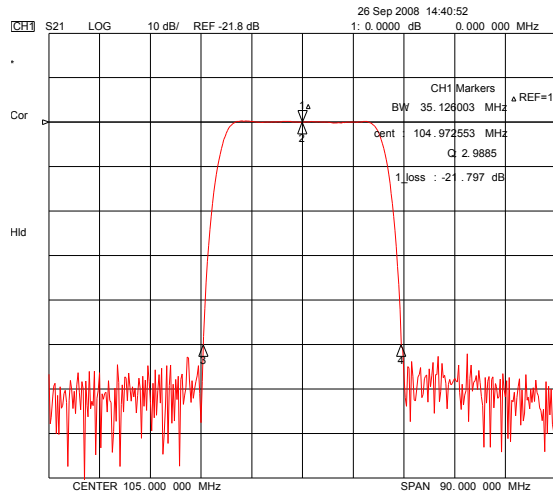
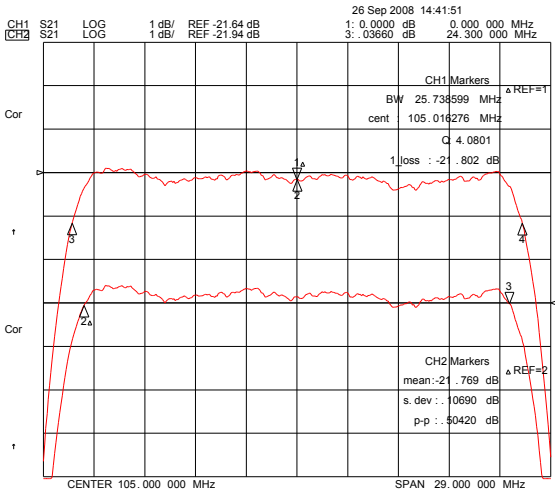


## 6. Typical Performance ( at +25°C )



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