

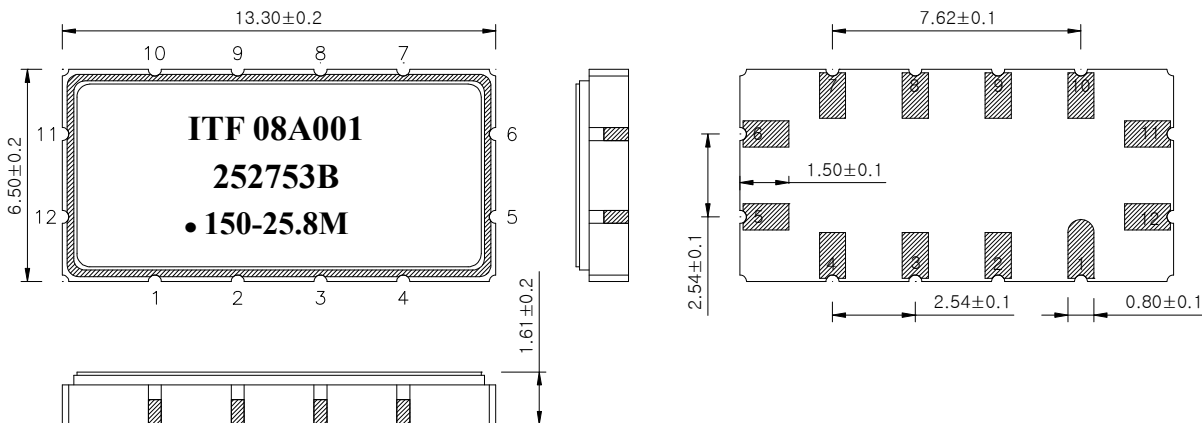
SAW Bandpass Filter 252753B



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 : Al₂O₃

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

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	252753B	
		Rev. Date	2009-01-05	
		Rev.	NM8081-CS01	1/5

SAW Bandpass Filter 252753B



3. Specifications

Fo = 150.0 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	-	150.0	-
Insertion Loss	dB	-	19.5	21.0
1dB Bandwidth	MHz	25.6	25.8	-
3dB Bandwidth	MHz	-	27.15	-
40dB Bandwidth	MHz	-	33.07	33.2
Amplitude Ripple (Fo +/- 12.2 MHz)	dB	-	0.55	1.0
Group Delay Variation (Fo +/- 12.2 MHz)	nsec	-	20	50
Absolute Delay	usec	-	0.67	-
Ultimate Rejection	dB	50	55	-
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

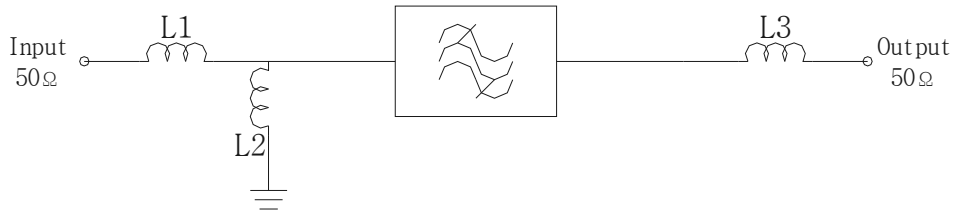
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		Rev. Date	2009-01-05	
		Rev.	NM8081-CS01	2/5

SAW Bandpass Filter 252753B



4. Matching Schematic

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




L1 = 22nH, L2 = 120nH,
L3 = 82nH

5. Marking Configuration

ITF¹⁾08A001²⁾
252753B³⁾
150⁴⁾-25.8M⁵⁾
●⁶⁾

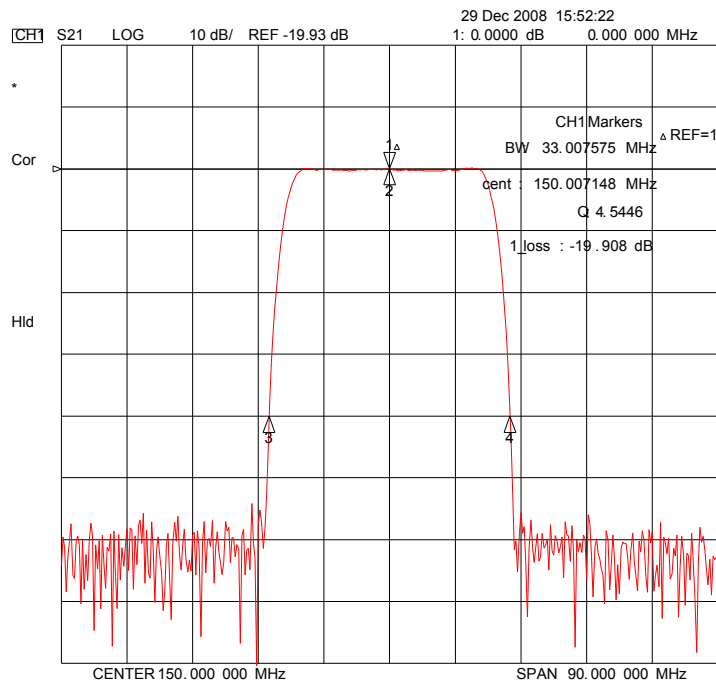
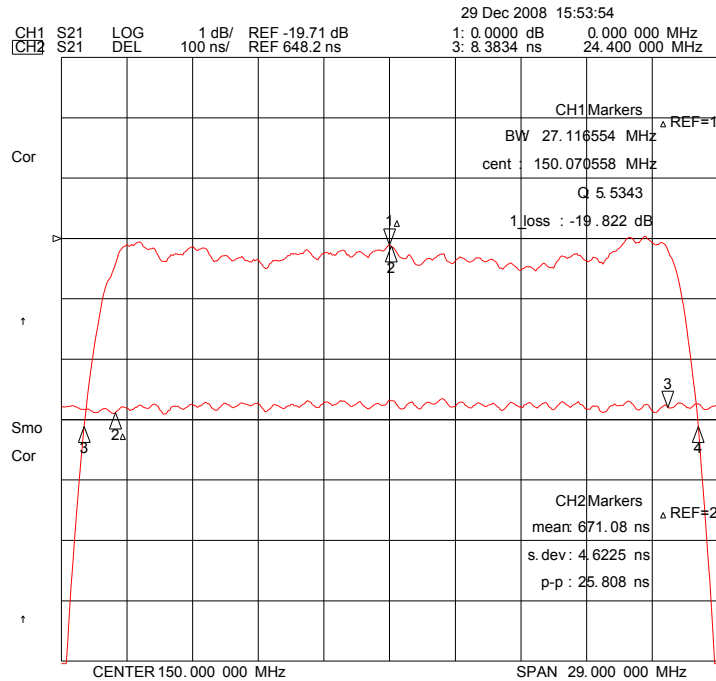
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number
- 4) Center frequency
- 5) 1dB-Bandwidth
- 6) Pad Number 1 Index

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	252753B	
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		Rev.	NM8081-CS01	3/5

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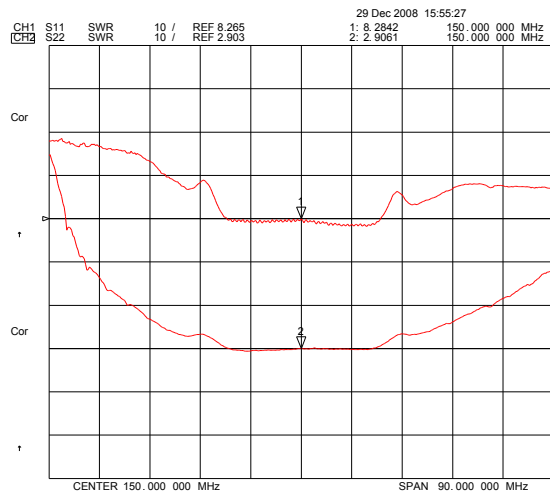
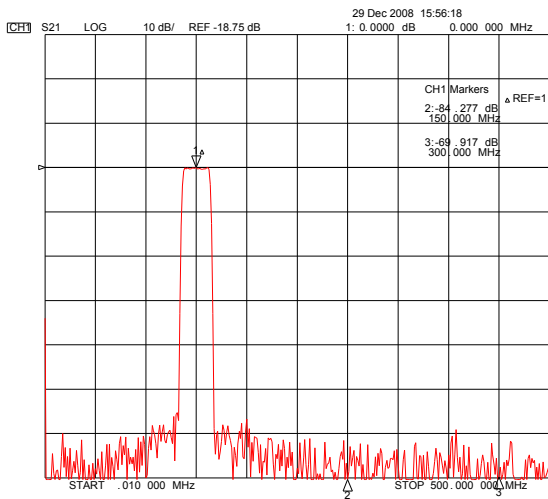
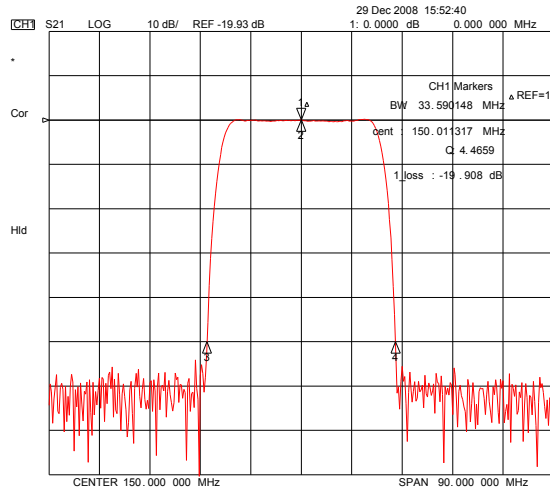
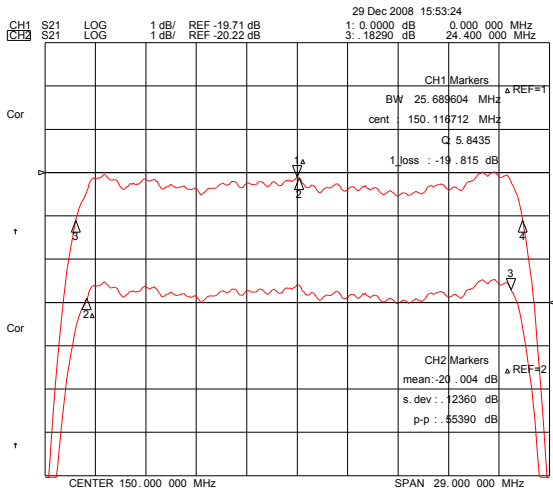


6. Typical Performance (at +25°C)



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		Rev.	NM8081-CS01	4/5

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Rev.	NM8081-CS01	5/5