

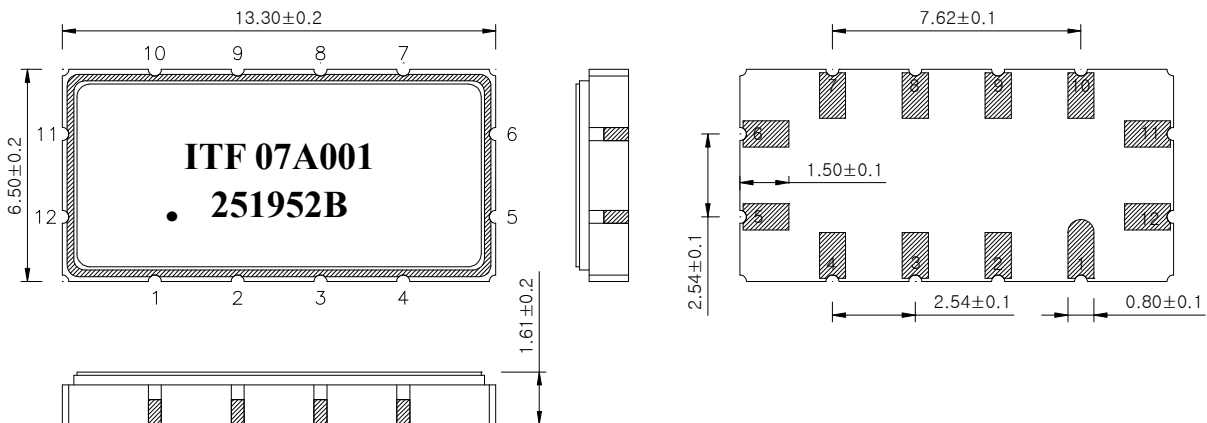
SAW Bandpass Filter 251952B



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 : 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.	251952B	
		Rev. Date	2007-11-07	
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3. Specifications

Fo = 120.0 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	-	120.0	-
Insertion Loss	dB	-	22.5	24.0
1dB Bandwidth	MHz	-	19.51	-
3dB Bandwidth	MHz	19.8	19.9	-
40dB Bandwidth	MHz	-	21.7	22.0
Amplitude Ripple (Fo +/- 9.22 MHz)	dB	-	0.48	1.0
Group Delay Variation (Fo +/- 9.22 MHz)	nsec	-	30	60
Absolute Delay	usec	-	1.55	-
Ultimate Rejection	dB	45	50	
Relative attenuation				
Center of 1FA – 3.5MHz	dB	15	35	
Center of 4FA + 3.5MHz	dB	15	35	
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

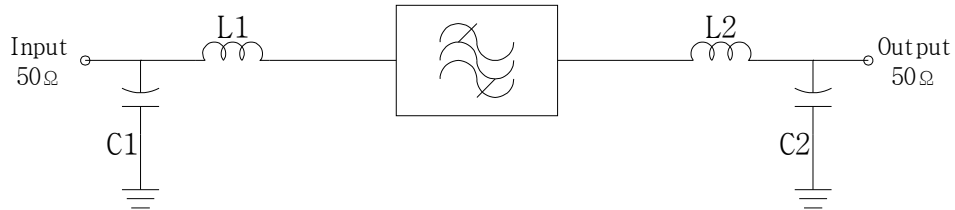
 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	251952B	
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4. Matching Schematic

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



L1 = 68nH, L2 = 68nH

C1 = 16 pF, C2 = 18pF

5. Marking Configuration

ITF¹⁾ 07A001²⁾

251952B³⁾

● 4)

1) Manufacturer name

2) Lot Number

3) Part Number

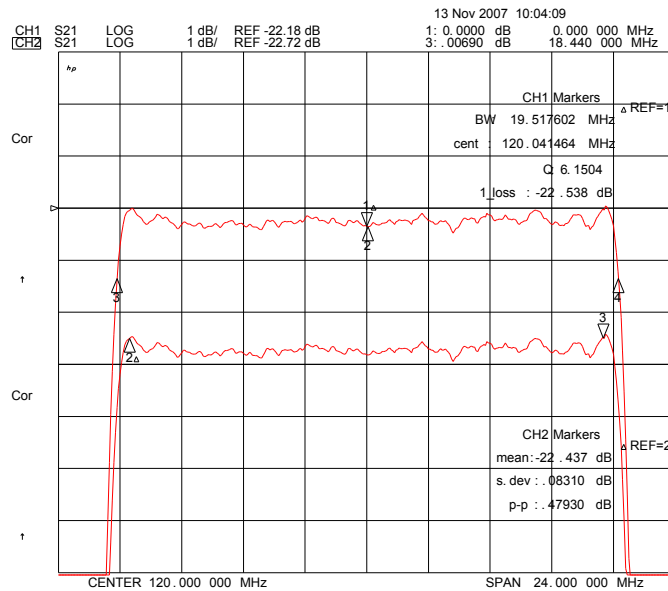
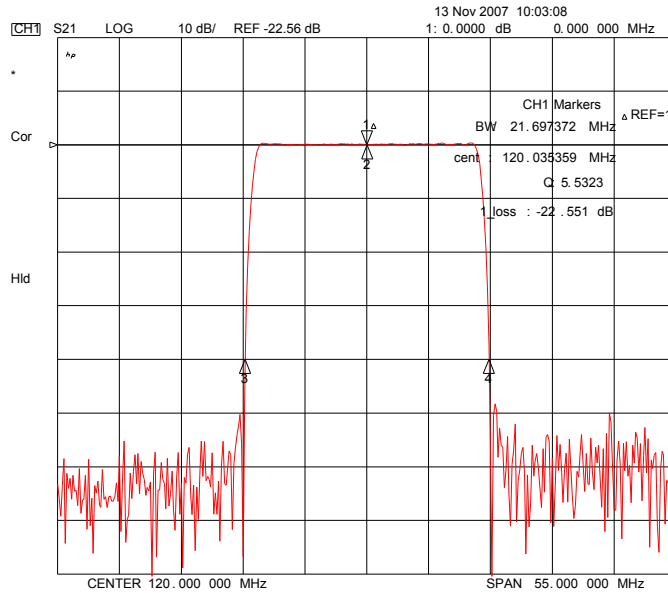
4) Pad Number 1 Index


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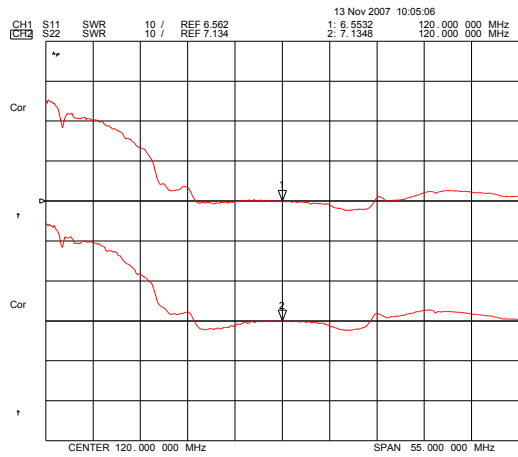
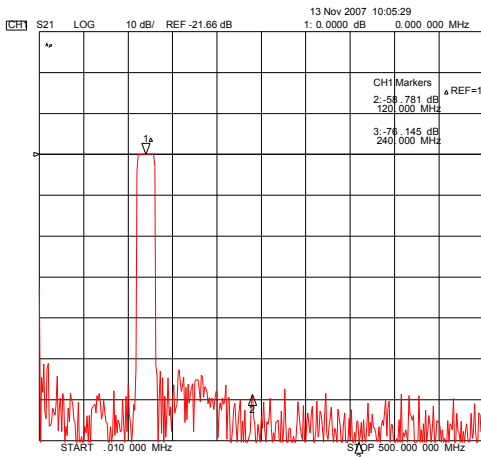
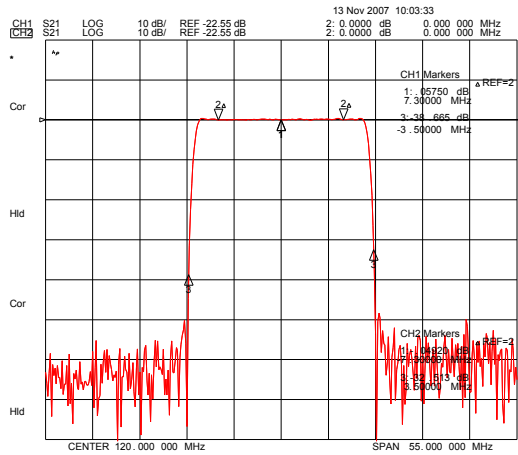
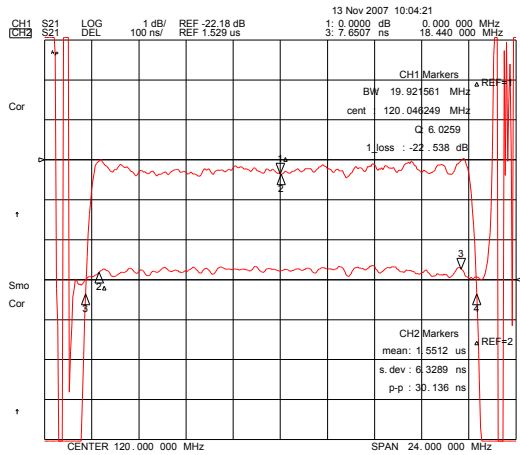


6. Typical Performance (at +25°C)



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