

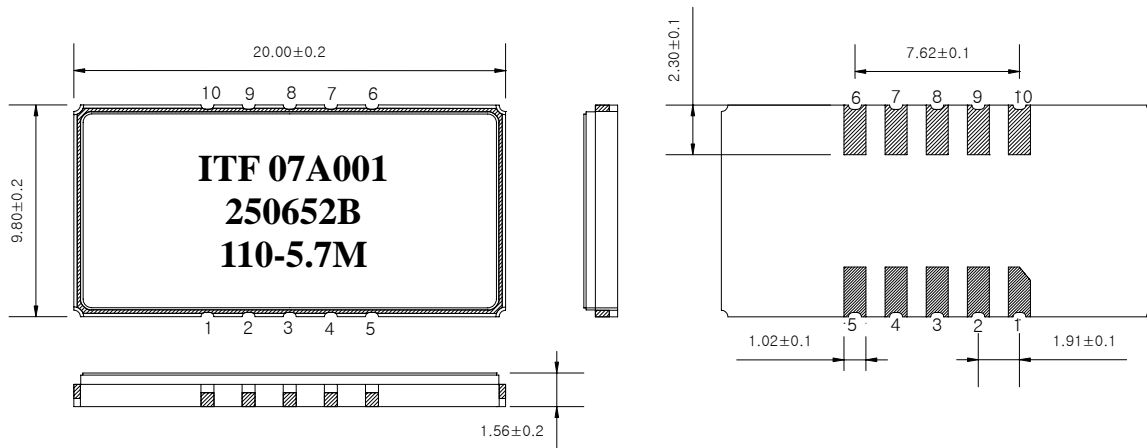
SAW Bandpass Filter 250652B



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 : S2098

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	
10	Input
5	Output
1, 4	Ground
2, 3, 6, 7, 8, 9	Case ground



ITF Co., Ltd.
102-901, Bucheon Technopark 364,
Samjeong-Dong, Ojeong-Gu, Bucheon-City,
Gyeonggi-Do, Korea 421-809

Part No.	250652B	
Rev. Date	2007-04-11	
Rev.	NM7008-CS01	1/5

SAW Bandpass Filter 250652B



3. Specifications

Fo = 110.0 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	110.0	-
Insertion Loss	dB	-	22.5	25.0
1dB Bandwidth	MHz	-	5.7	-
3dB Bandwidth	MHz	5.9	6.1	-
40dB Bandwidth	MHz	-	7.9	8.0
Amplitude Ripple (Fo +/- 2.5 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo +/- 2.5 MHz)	nsec	-	50	100
Absolute Delay	usec	-	2.91	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

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

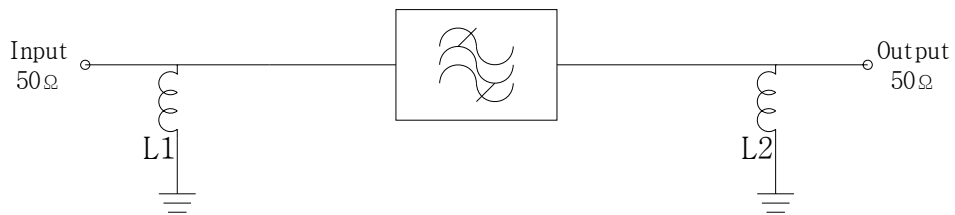
 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	250652B	
		Rev. Date	2007-04-11	
		Rev.	NM7008-CS01	2/5

SAW Bandpass Filter 250652B



4. Matching Schematic

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



L1 = 47nH, L2 = 82nH


5. Marking Configuration

ITF¹⁾ 07A001²⁾

250652B³⁾

110⁴⁾ -5.7M⁵⁾

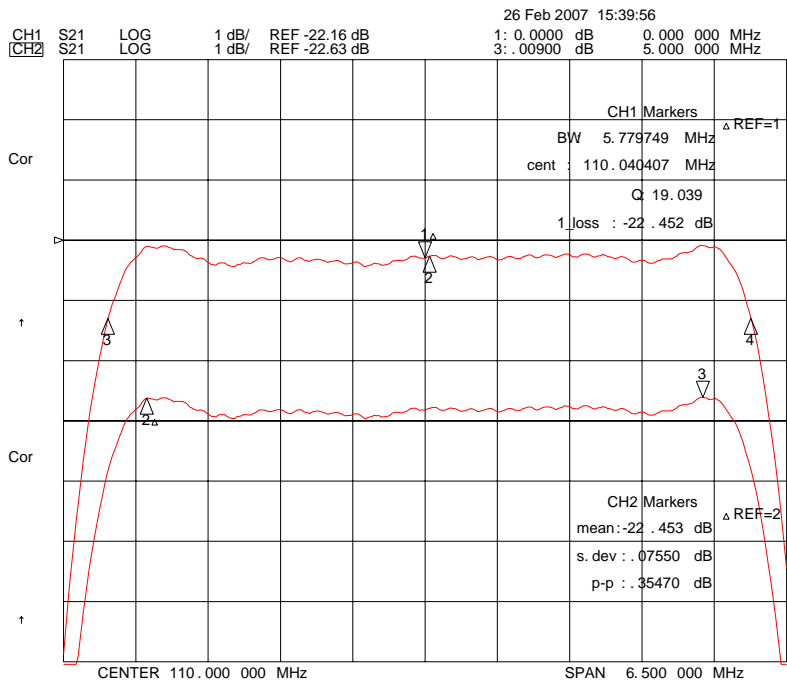
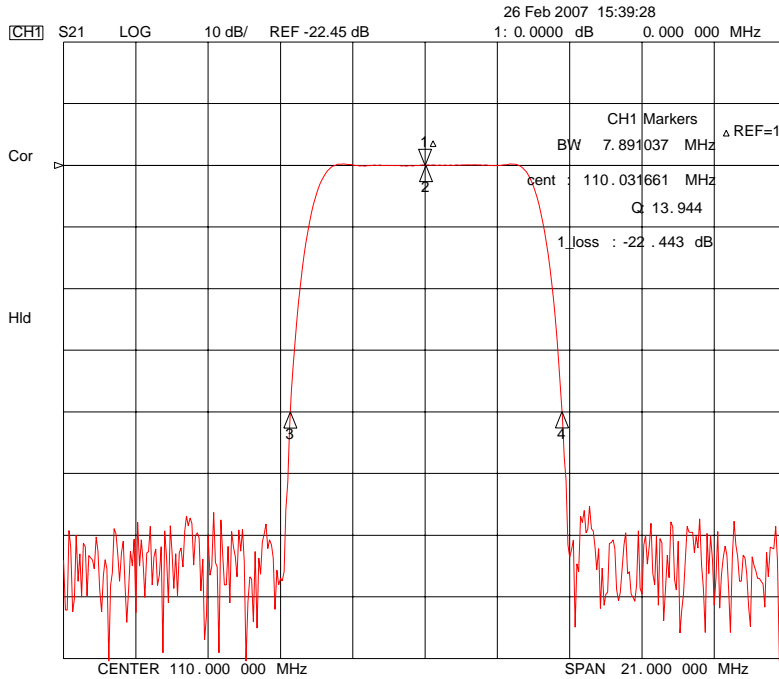
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number
- 4) Center Frequency
- 5) 1dB-Bandwidth

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	250652B	
		Rev. Date	2007-04-11	
		Rev.	NM7008-CS01	3/5

SAW Bandpass Filter 250652B



6. Typical Performance (at +25°C)



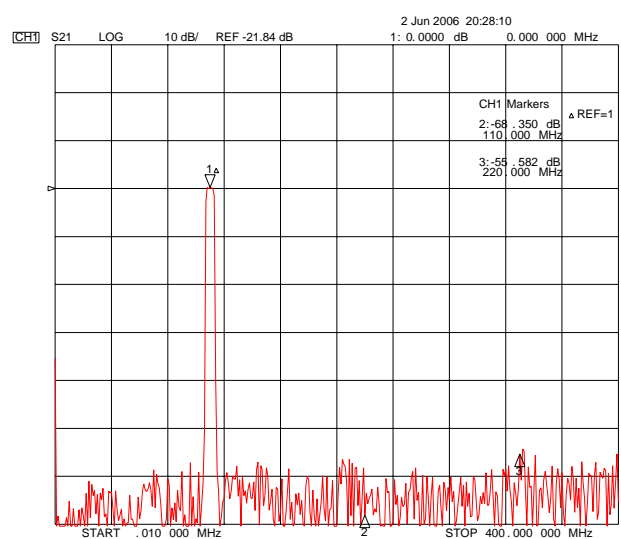
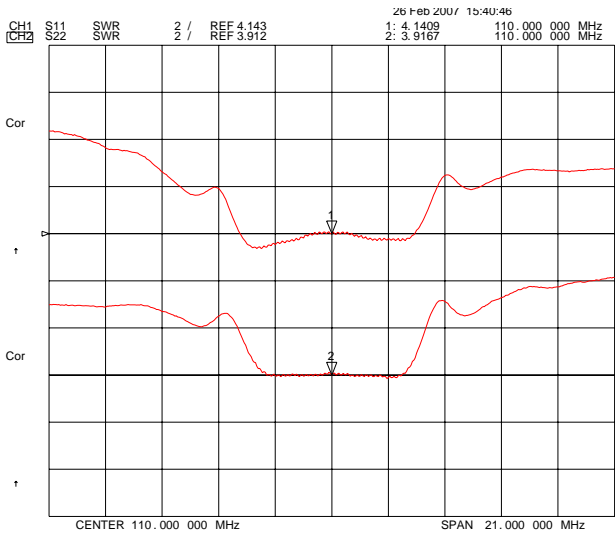
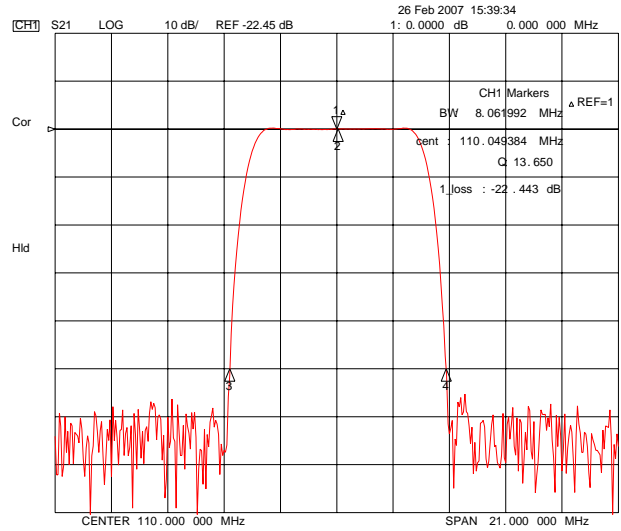
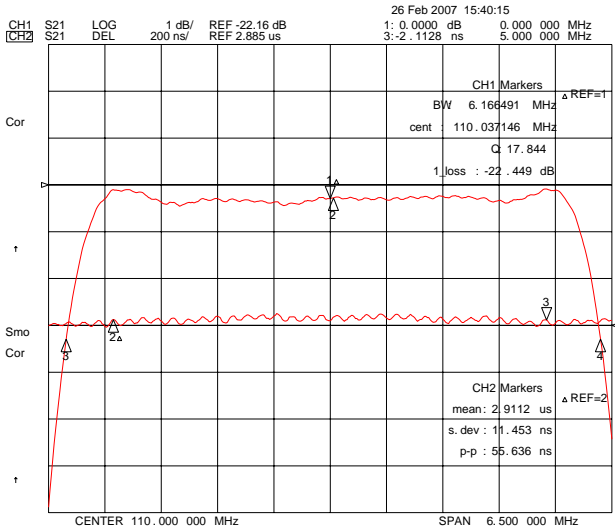
ITF Co., Ltd.
 102-901, Bucheon Technopark 364,
 Samjeong-Dong, Ojeong-Gu, Bucheon-City,
 Gyeonggi-Do, Korea 421-809

Part No. 250652B

Rev. Date 2007-04-11

Rev. NM7008-CS01 4/5

SAW Bandpass Filter 250652B



ITF Co., Ltd.
 102-901, Bucheon Technopark 364,
 Samjeong-Dong, Ojeong-Gu, Bucheon-City,
 Gyeonggi-Do, Korea 421-809

Part No.	250652B	
Rev. Date	2007-04-11	
Rev.	NM7008-CS01	5/5