

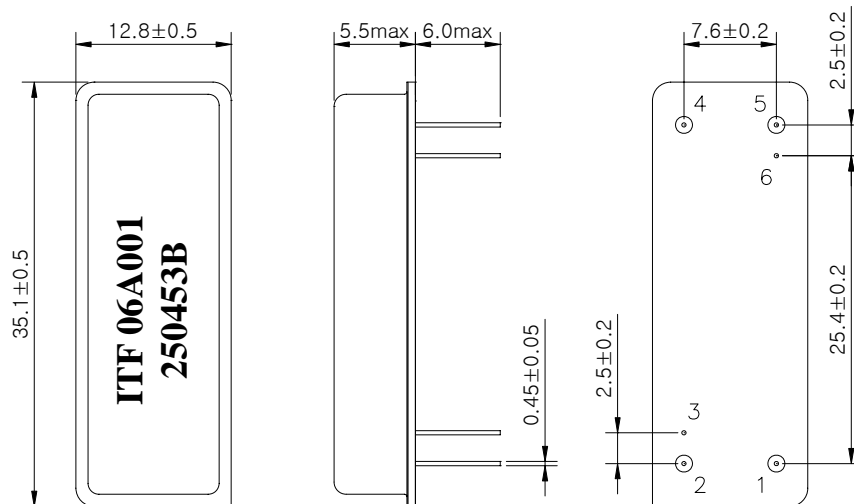
SAW Bandpass Filter 250453B



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 : 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

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	250453B	
		Rev. Date	2006-12-12	
		Rev.	NW6009-CS01	1/5

SAW Bandpass Filter 250453B



3. Specifications

Fo = 115.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	115.0	-
Insertion Loss	dB	-	23.0	25.0
1dB Bandwidth	MHz	-	4.29	-
3dB Bandwidth	MHz	-	4.5	-
40dB Bandwidth	MHz	-	5.47	5.6
Amplitude Ripple (Fo +/- 1.9 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo +/- 1.9 MHz)	nsec	-	150	200
Absolute Delay	usec	-	2.68	-
Ultimate Rejection	dB	45	50	
Temperature Coefficient of Frequency	ppm/°C ²	-	-0.03	-

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

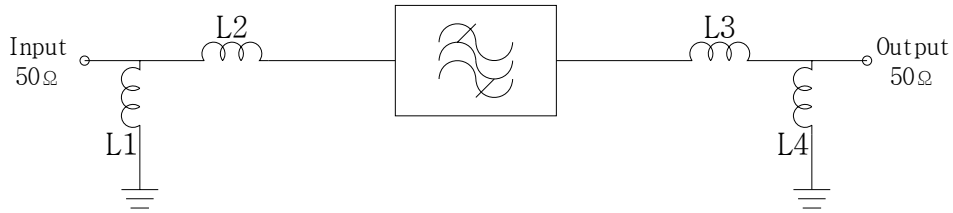
	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	250453B	
		Rev. Date	2006-12-12	
		Rev.	NW6009-CS01	2/5

SAW Bandpass Filter 250453B



4. Matching Schematic

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



L1 = 33 nH, L4 = 27 nH

L2 = L3 = 100 nH

5. Marking Configuration

ITF¹⁾ 06A001²⁾
250453B³⁾

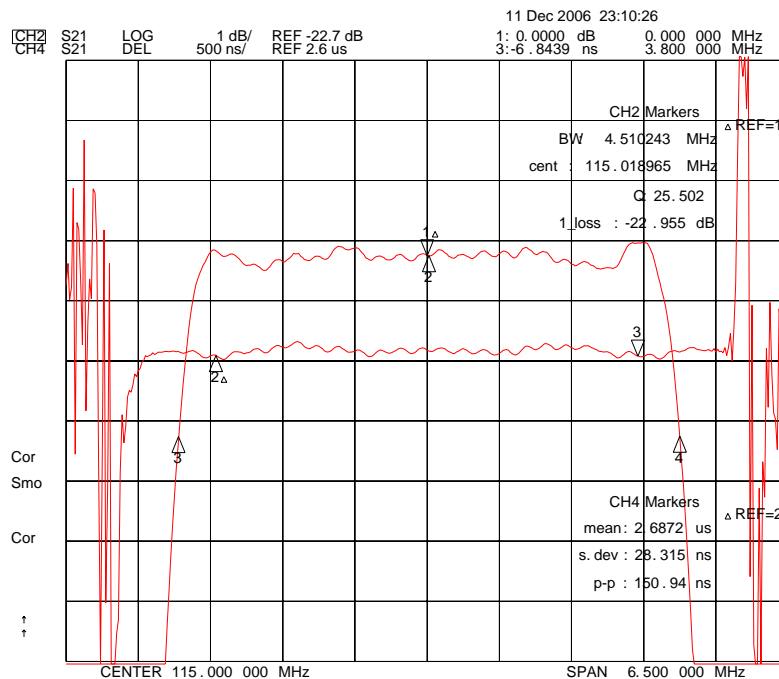
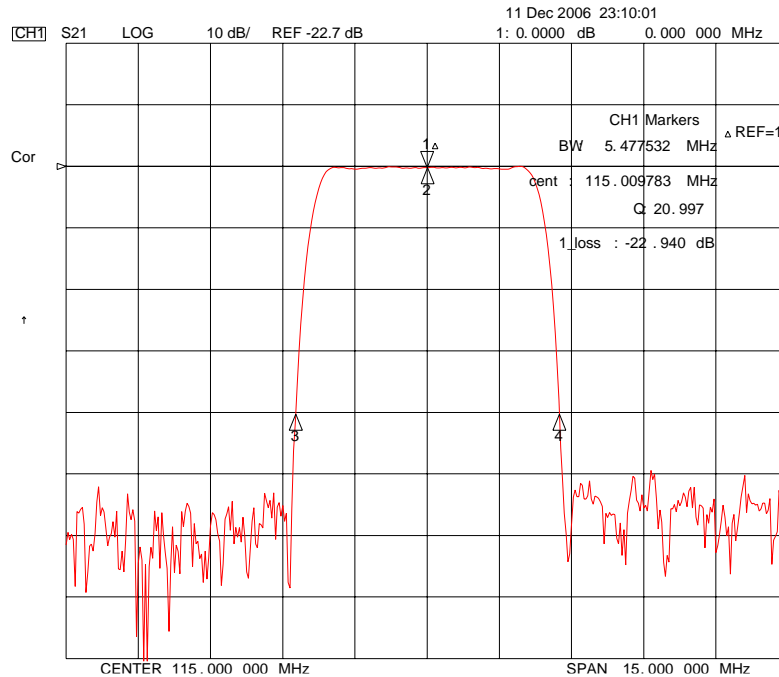
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	250453B	
		Rev. Date	2006-12-12	
		Rev.	NW6009-CS01	3/5

SAW Bandpass Filter 250453B

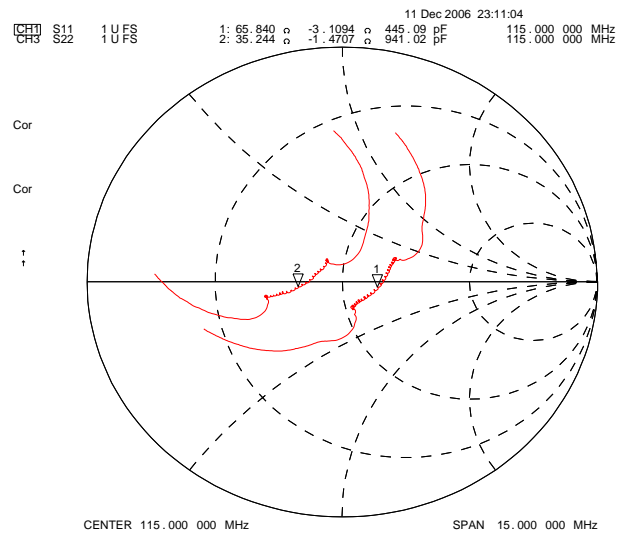
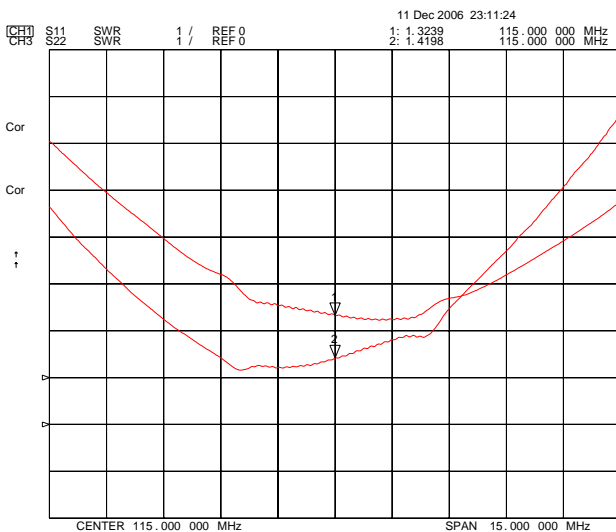
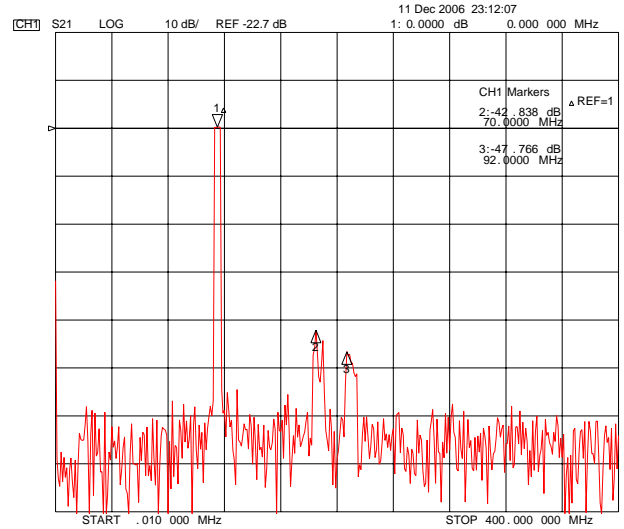
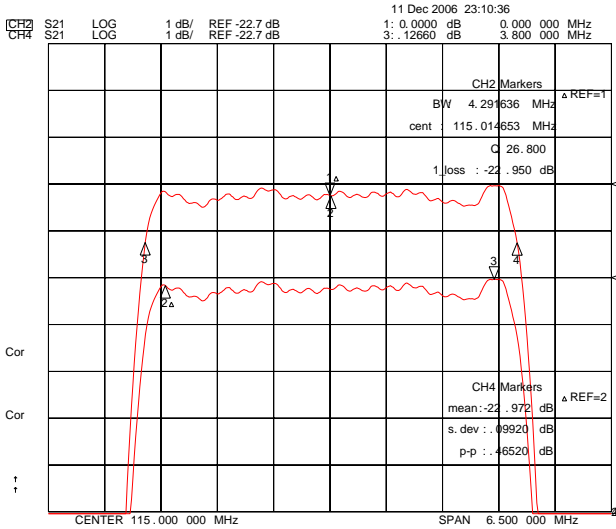


6. Typical Performance (at +25°C)



	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	250453B	
		Rev. Date	2006-12-12	
		Rev.	NW6009-CS01	4/5

SAW Bandpass Filter 250453B



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

Part No. 250453B

Rev. Date 2006-12-12

Rev. NW6009-CS01 5/5