

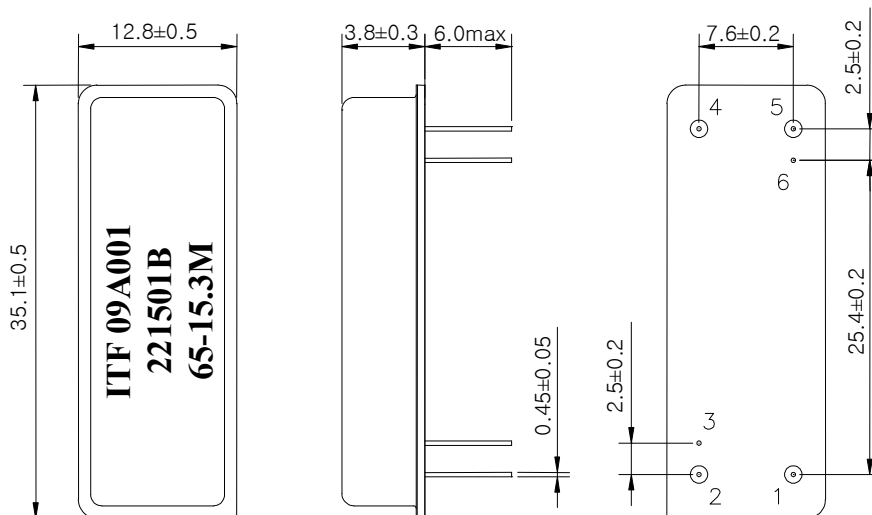
SAW Bandpass Filter 221501B



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.	221501B	
		Rev. Date	2009-04-13	
		Rev.	NM9029-CS01	1/5

SAW Bandpass Filter 221501B



3. Specifications

Fo = 65.0 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	65.0	-
Insertion Loss	dB	-	23.2	25.0
1dB Bandwidth	MHz	15.2	15.38	-
3dB Bandwidth	MHz	-	15.56	-
50dB Bandwidth	MHz	-	16.4	16,5
Amplitude Ripple (fo ± 7.56 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo ± 7.56 MHz)	nsec	-	50	100
Absolute Delay	usec	-	3.54	-
Ultimate Rejection	dB	55	60	-
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

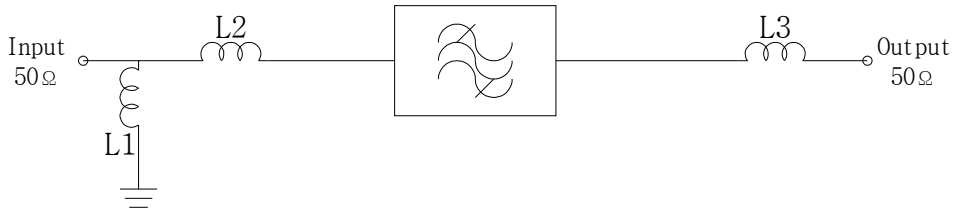
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		Rev. Date	2009-04-13	
		Rev.	NM9029-CS01	2/5

SAW Bandpass Filter 221501B



4. Matching Schematic

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




L1 = 180nH, L2 = 56nH, L3 = 100nH

5. Marking Configuration

ITF¹⁾09A001²⁾
221501B³⁾
65⁴⁾-15.3M⁵⁾

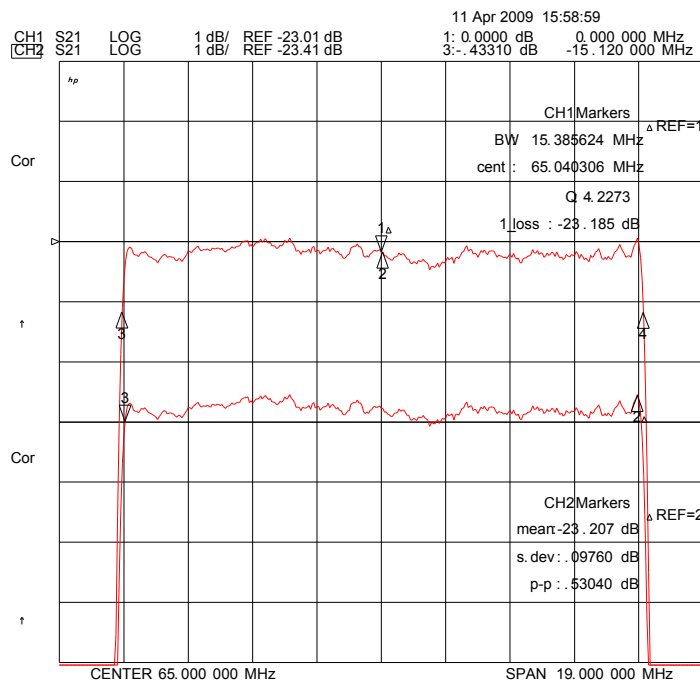
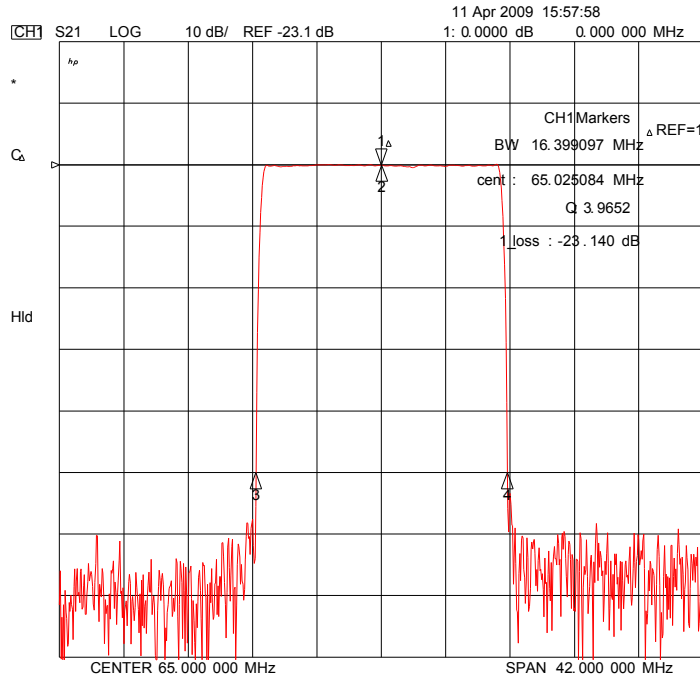
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number
- 4) Center frequency
- 5) 1dB-Bandwidth

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		Rev. Date	2009-04-13	
		Rev.	NM9029-CS01	3/5

SAW Bandpass Filter 221501B

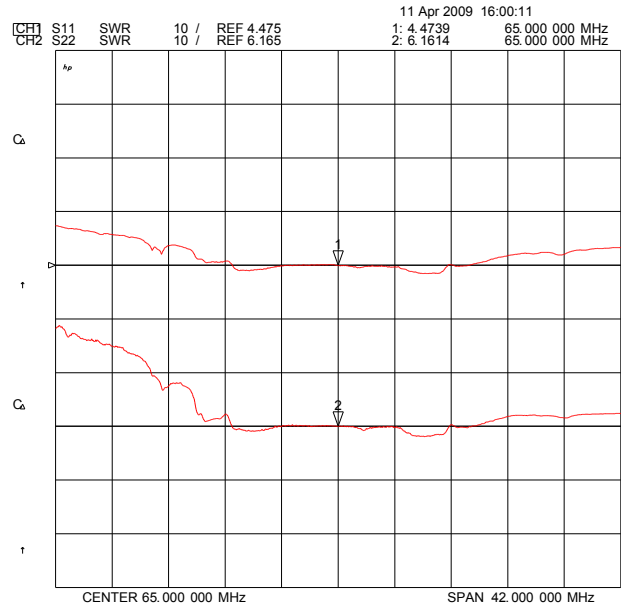
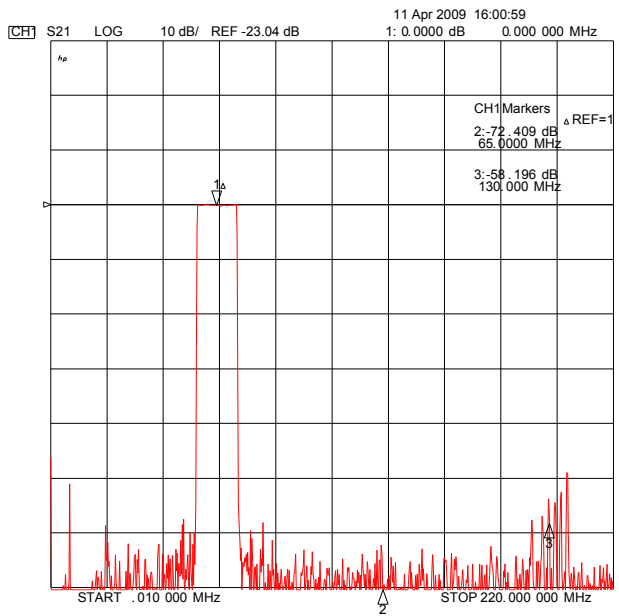
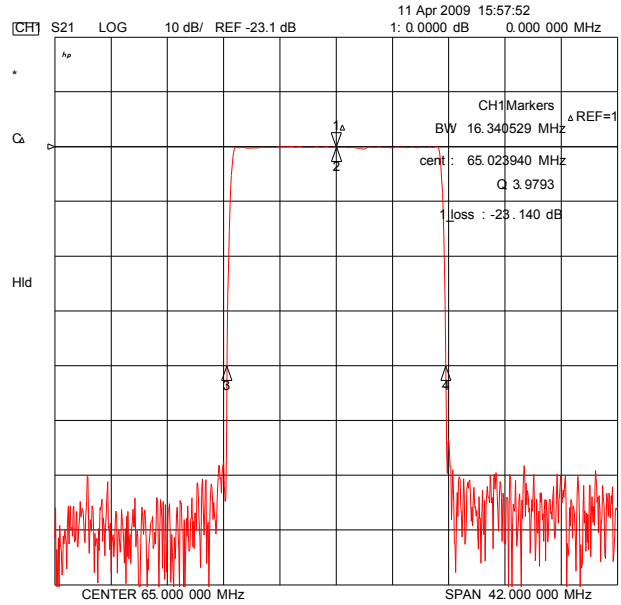
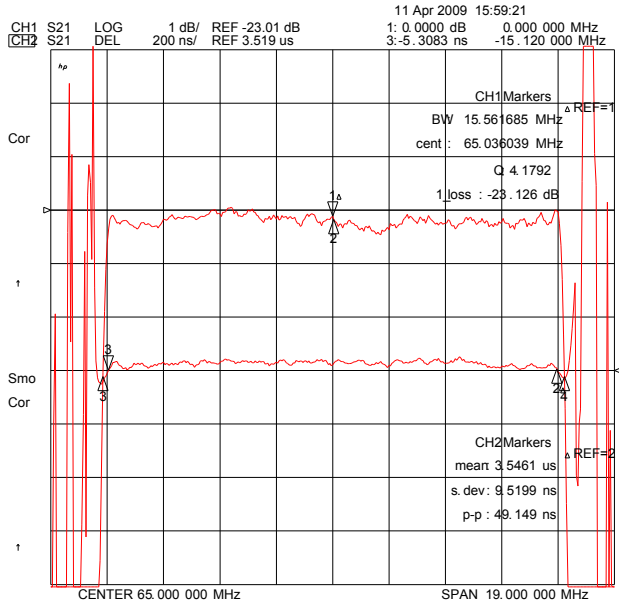


6. Typical Performance (at +25°C)



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		Rev. Date	2009-04-13	
		Rev.	NM9029-CS01	4/5

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Part No.	221501B	
Rev. Date	2009-04-13	
Rev.	NM9029-CS01	5/5