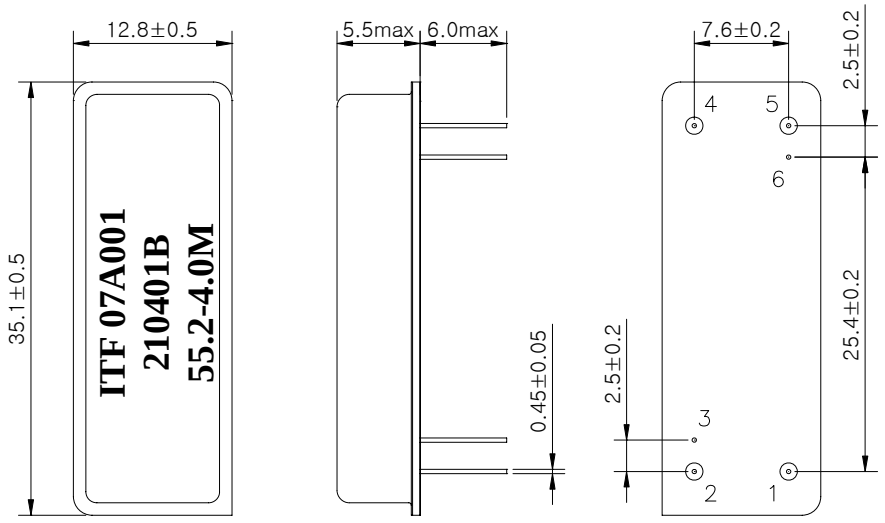
SAW Bandpass Filter 210401B

1. Features

- IF Bandpass Filter
- High Attenuation
- Single-Ended Operation
- DIP Package
- Maximum Storage Temperature Range : -40℃ ~ 85℃
- 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

3. Specifications

Fo = 55.2 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

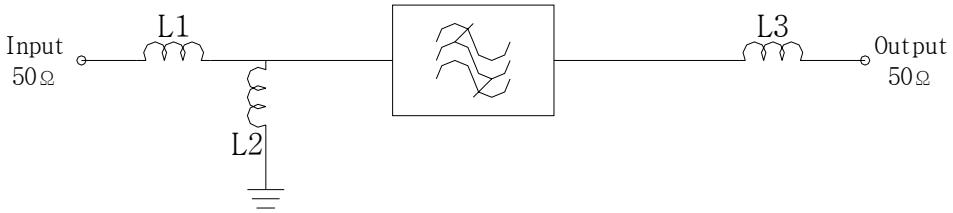
		Minimum	Typical	Maximum
Center Frequency	MHz	-	55.2	-
Insertion Loss	dB	-	24.0	25.5
1dB Bandwidth	MHz	-	4.05	-
3dB Bandwidth	MHz	4.2	4.28	-
40dB Bandwidth	MHz	-	5.2	5.3
Amplitude Ripple (fo±1.92 MHz)	dB	-	0.35	1.0
Group Delay Variation (fo±1.92 MHz)	nsec	-	80	150
Absolute Delay	usec	-	4.67	-
Ultimate Rejection	dB	50	52	-
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

4. Matching Schematic

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



L1=270H, L2=390nH, L3=330nH,

5. Marking Configuration

ITF[1] 07A001[2]

210401B[3]

55.2[4] -4.0M[5]

1) Manufacturer name

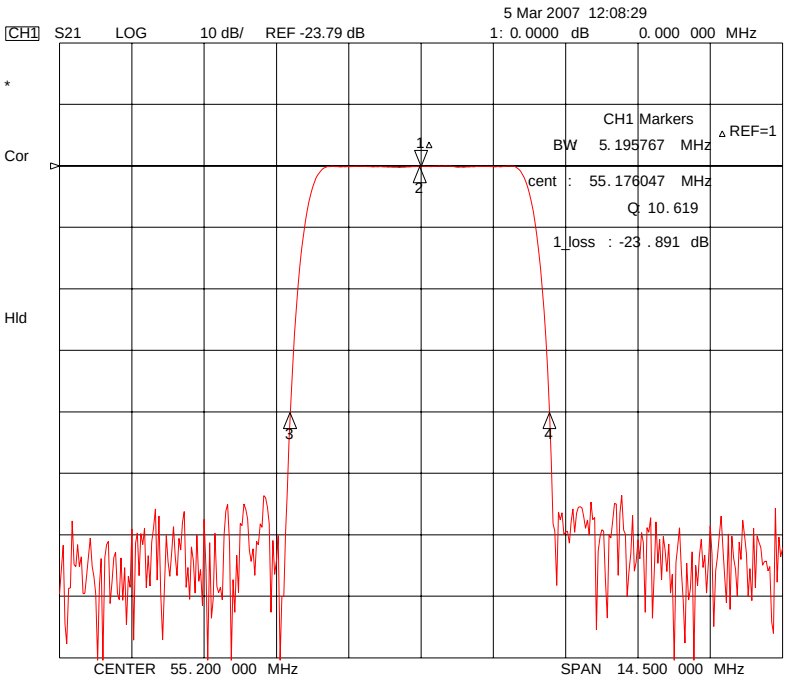
2) Lot Number

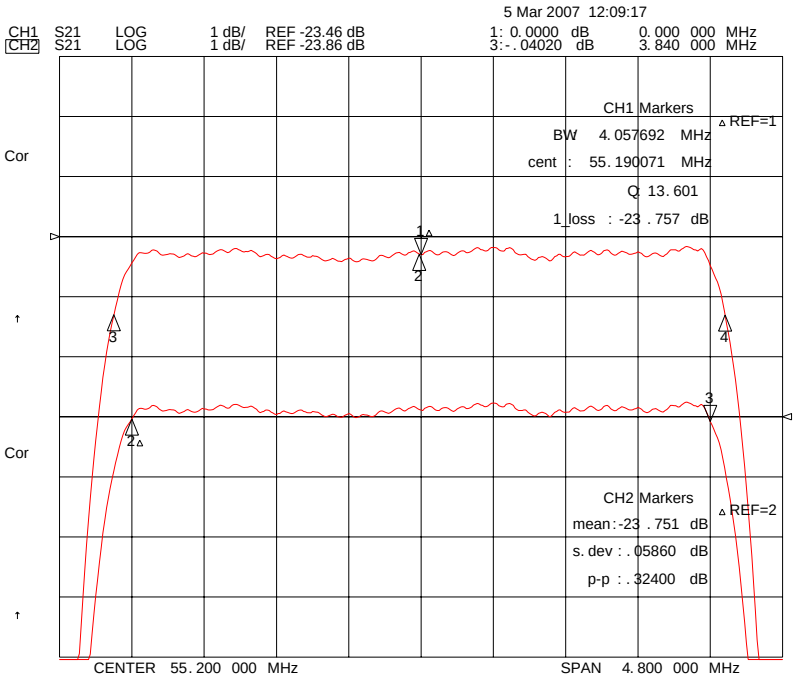
3) Part Number

4) Center Frequecy

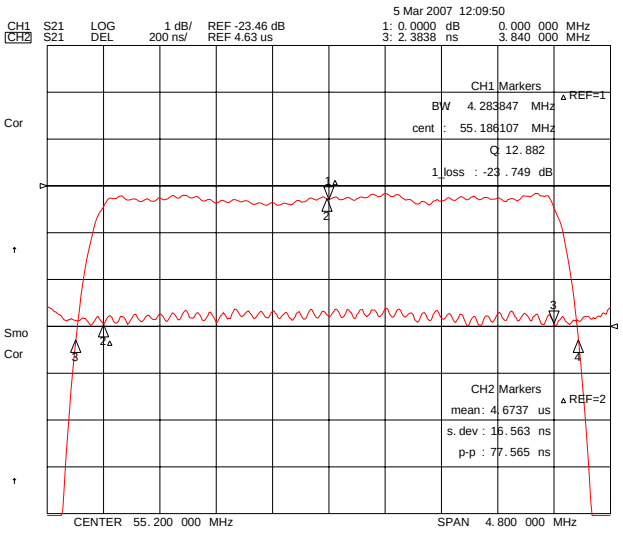
5) 1dB-Bandwidth

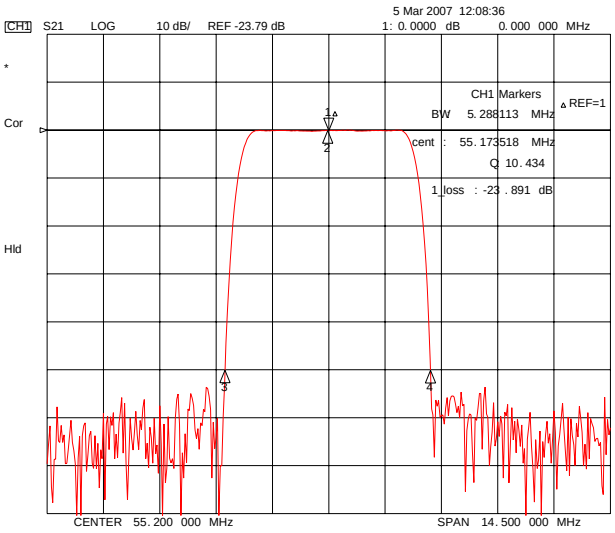
6. Typical Performance (at +25°C)

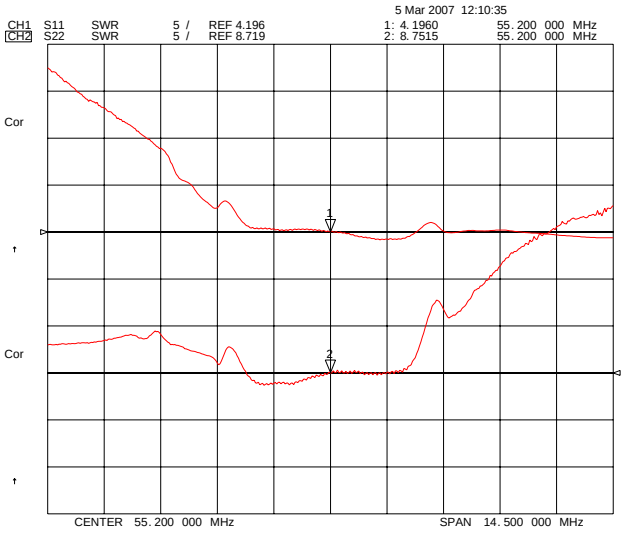


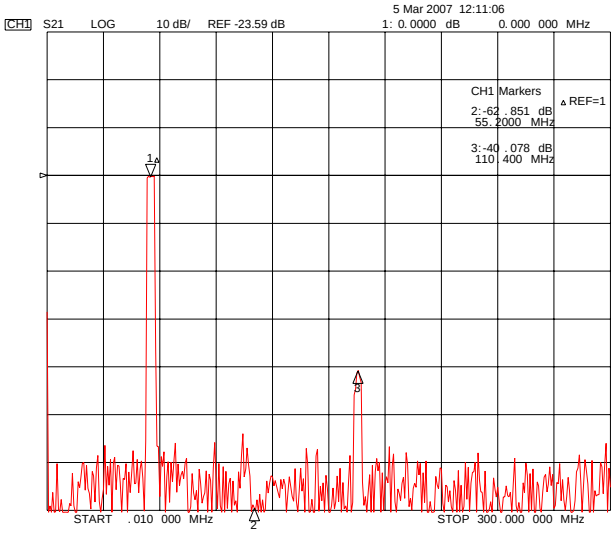


SAW Bandpass Filter 210401B









Integrated Technology Future	**I T F Co., Ltd.** 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyounggi-Do, Korea 421-809	Part No.	210401B	
		Rev. Date	2007-04-13	
		Rev.	NM7014-CS01	5/5