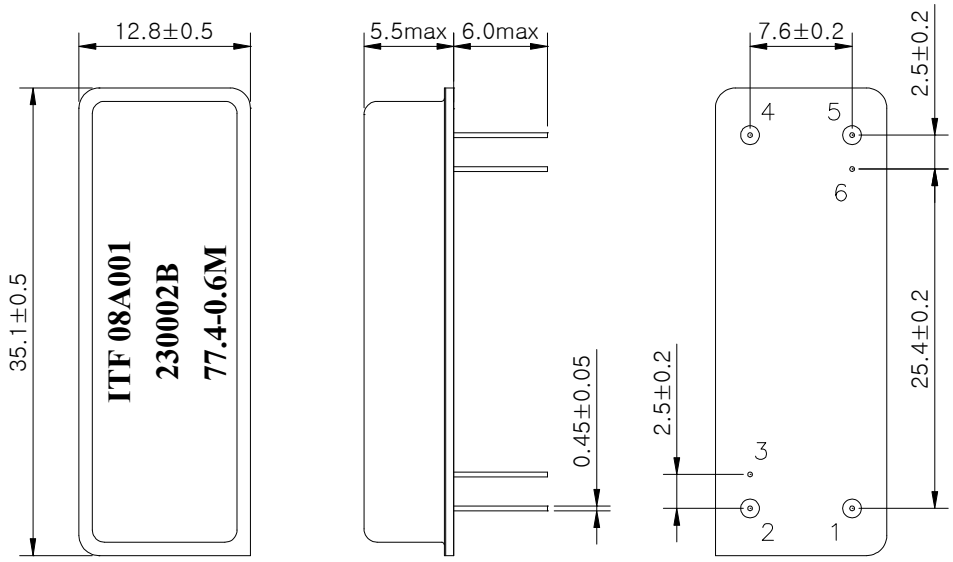
SAW Bandpass Filter 230002B

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 = 77.4 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

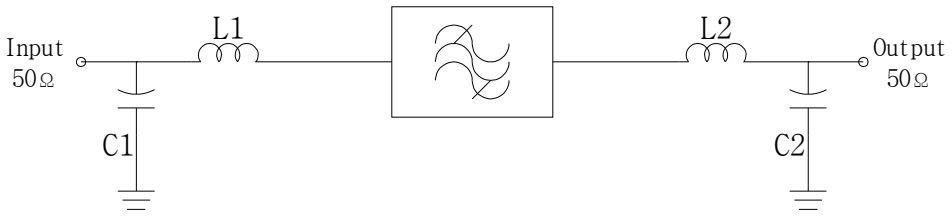
		Minimum	Typical	Maximum
Center Frequency	MHz	-	77.4	-
Insertion Loss	dB	-	19.5	22.0
1dB Bandwidth	MHz	0.5	0.62	-
3dB Bandwidth	MHz	-	0.8	-
20dB Bandwidth	MHz	-	1.3	1.4
40dB Bandwidth	MHz	-	1.54	1.62
Amplitude Ripple (Fo +/- 0.225 MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo +/- 0.225 MHz)	nsec	-	180	350
Absolute Delay	usec	-	3.53	-
Ultimate Rejection	dB	50	58	-
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

4. Matching Schematic

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



L1 = 120 nH, L2 = 100nH

C1 = C2 = 51 pF

5. Marking Configuration

ITF[1] 08A001[2]

230002B[3]

77.4[4]-0.6M[5]

1) Manufacturer name

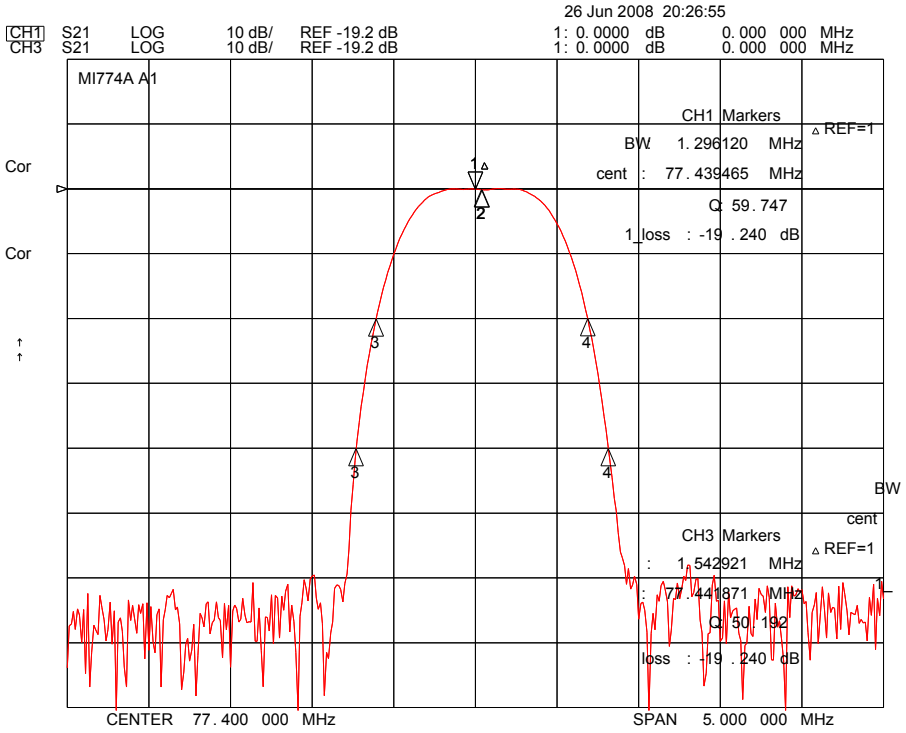
2) Lot Number

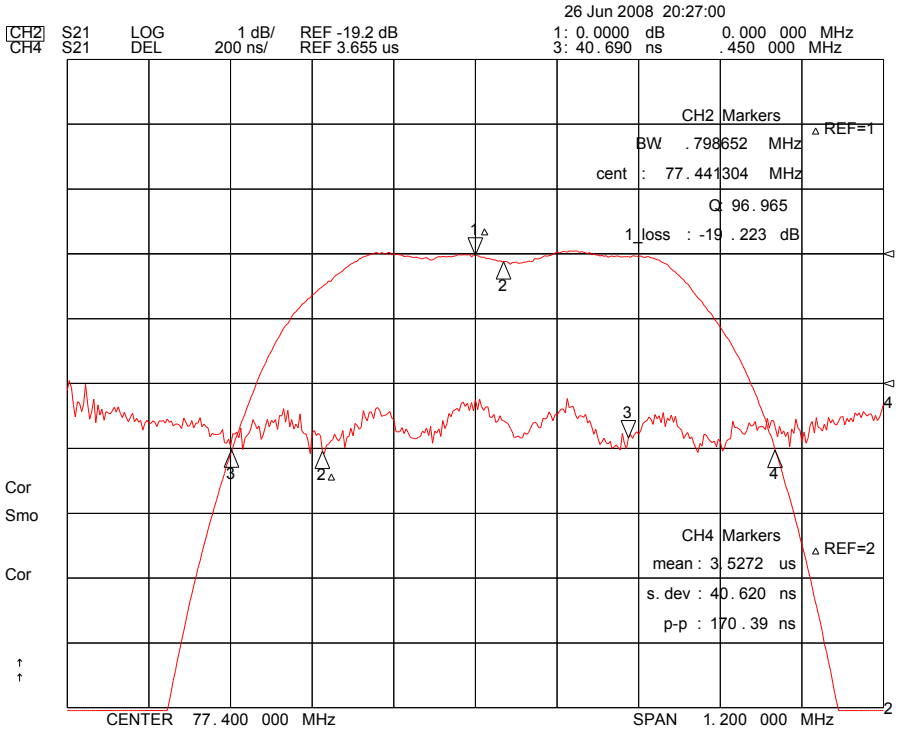
3) Part Number

4) Center Frequency

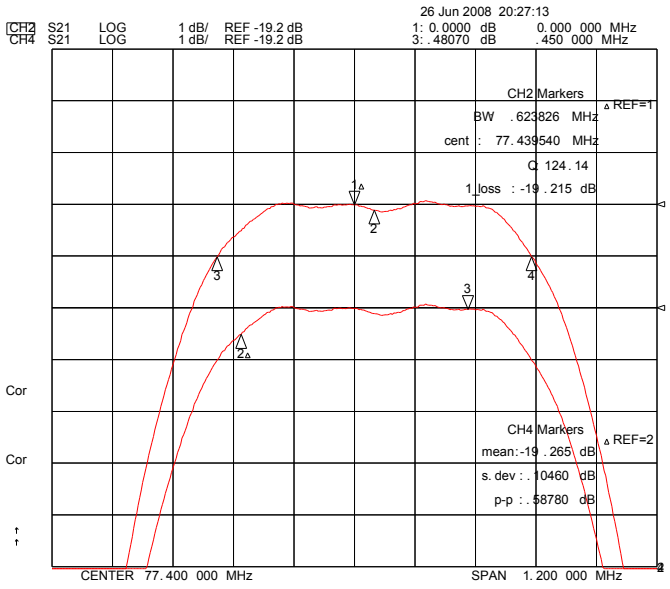
5) 1dB-Bandwidth

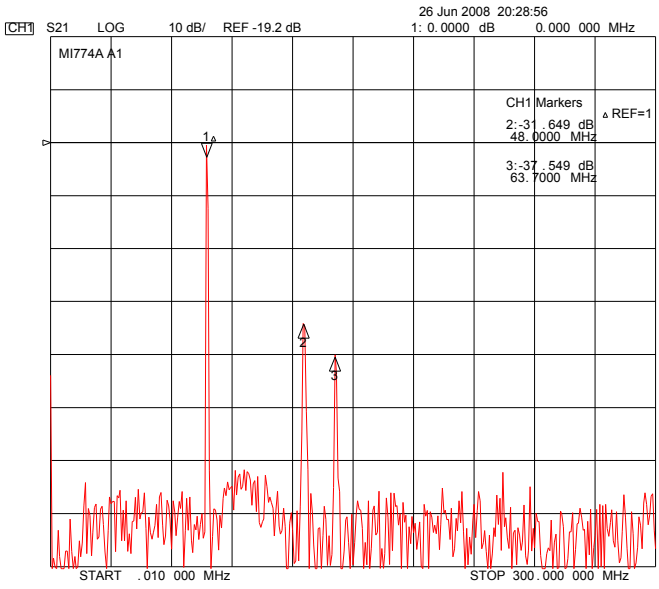
6. Typical Performance (at +25℃)

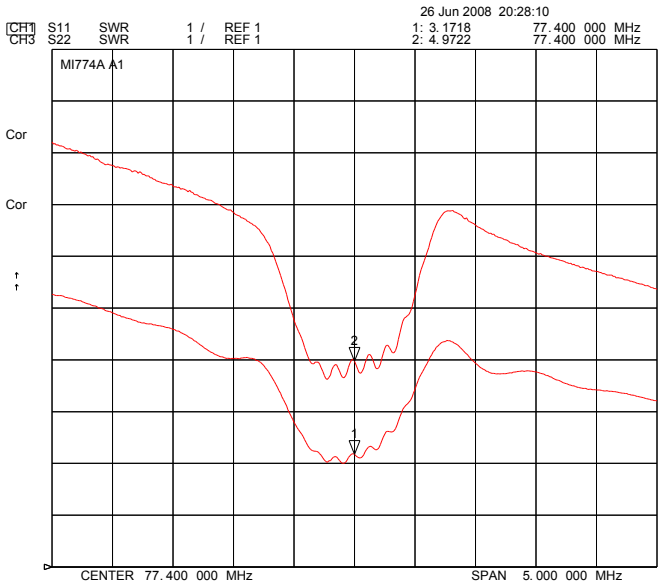


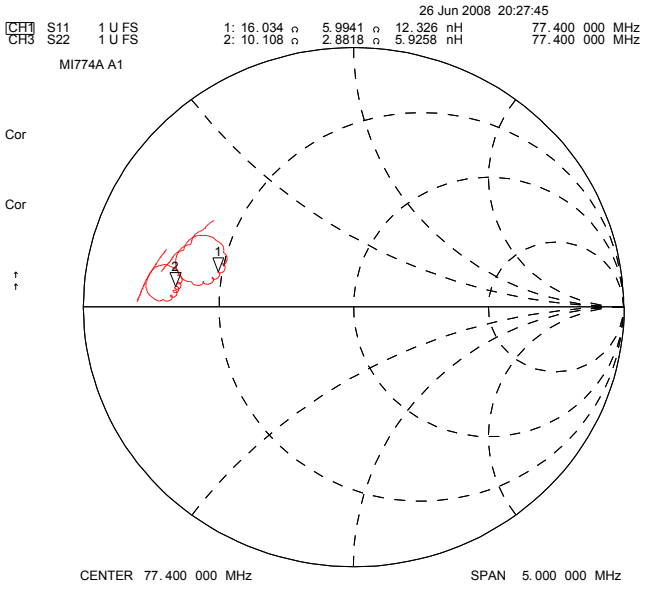


SAW Bandpass Filter 230002B









	I T F Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyounggi-Do, Korea 421-809	Part No.	230002B	
		Rev. Date	2008-11-12	
		Rev.	NW8030-CS01	5/5