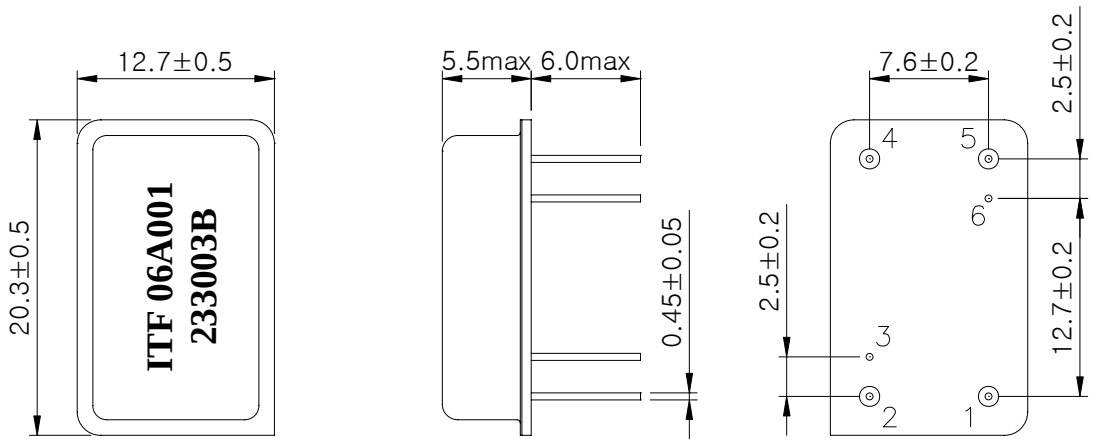
SAW Bandpass Filter 233003B

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 : D2012

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 = 75.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

Operating Temperature Range : -30℃ ~ +80℃		Minimum	Typical	Maximum
Center Frequency	MHz	-	75.0	-
Insertion Loss	dB	-	29.0	31.0
1dB Bandwidth	MHz	-	29.05	-
3dB Bandwidth	MHz	30.0	30.15	-
40dB Bandwidth	MHz	-	34.42	34.8
Amplitude Ripple (fo±13.5 MHz)	dB	-	0.5	1.0
Group Delay Variation (fo±13.5 MHz)	nsec	-	30	50
Absolute Delay	usec	-	0.94	1
Ultimate Rejection	dB	48	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-80	-

Room temperature : + 25 ℃		Minimum	Typical	Maximum
Center Frequency	MHz	-	75.0	-
Insertion Loss	dB	-	29.0	31.0
Amplitude Ripple (Fo +/- 13.85 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo +/- 13.85 MHz)	nsec	-	30	50

Notes :

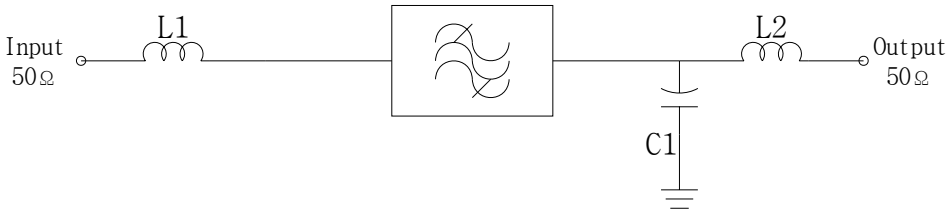
1) All specifications are based on the matching schematic shown below

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 = 150nH, L2 = 150nH

C1 = 15pF

5. Marking Configuration

ITF[1] 06A001[2]

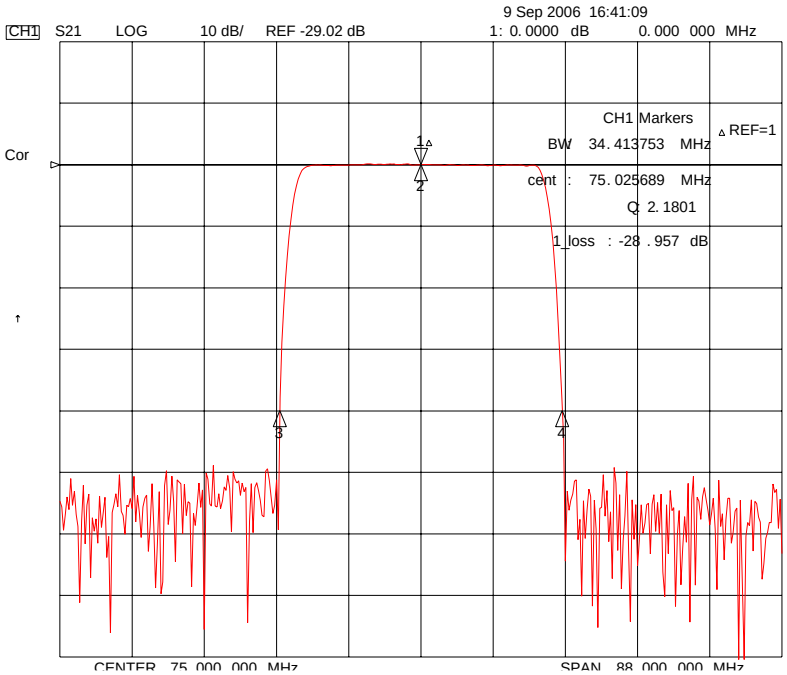
233003

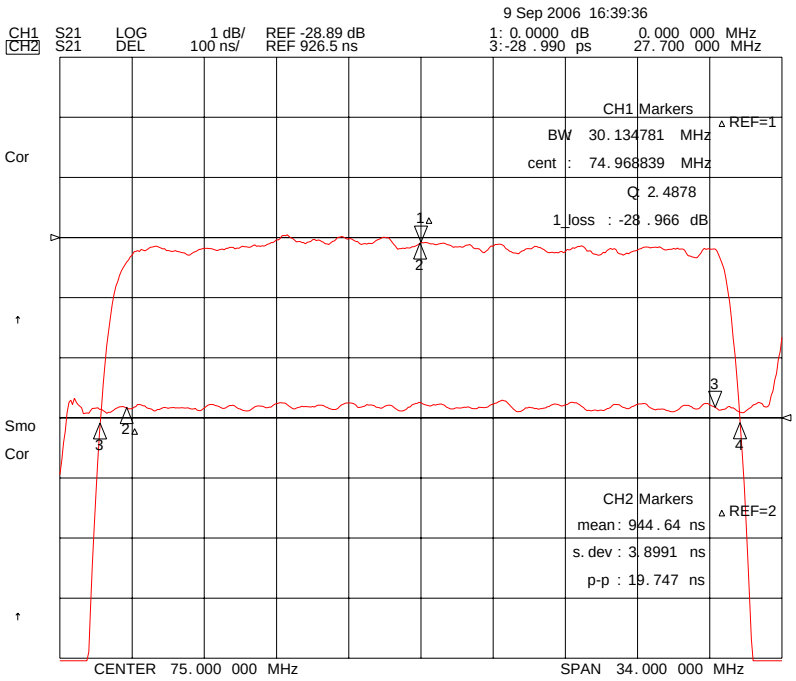
1) Manufacturer name

2) Lot Number

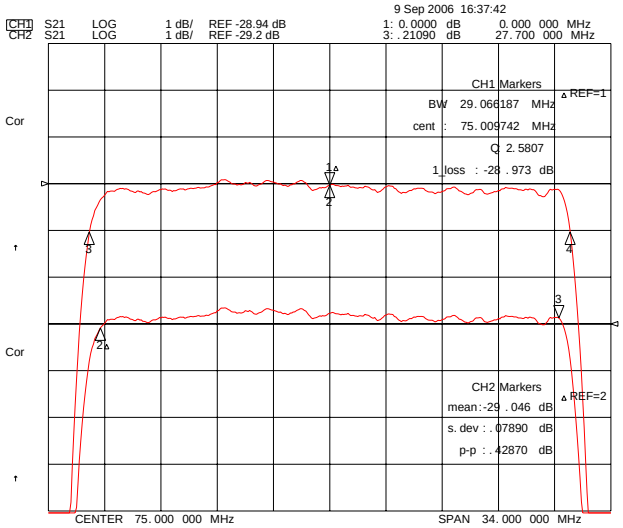
3) Part Number

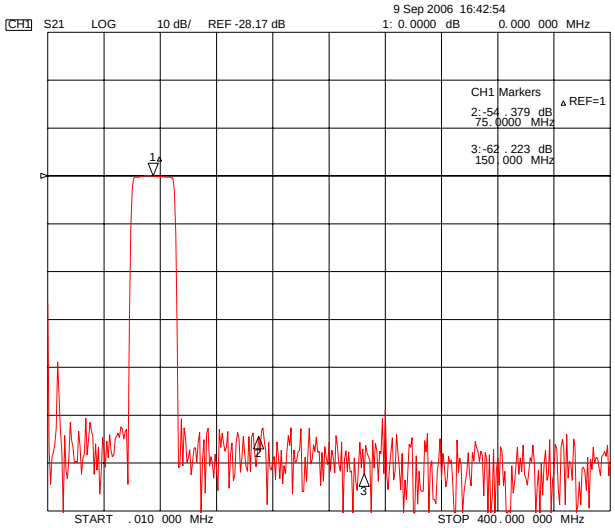
6. Typical Performance (at +25℃)

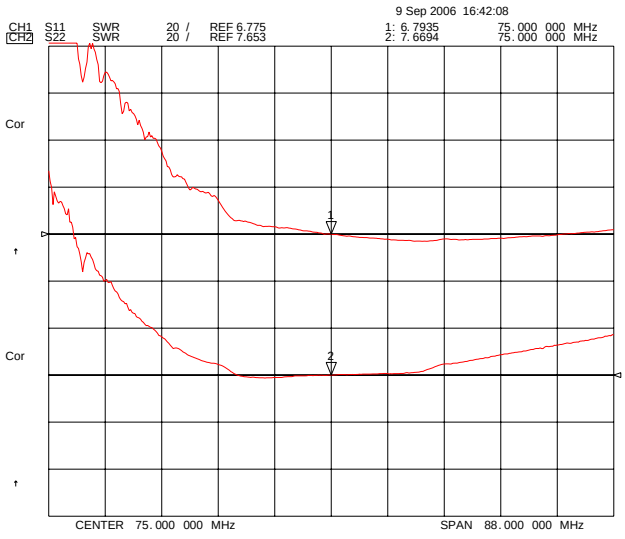


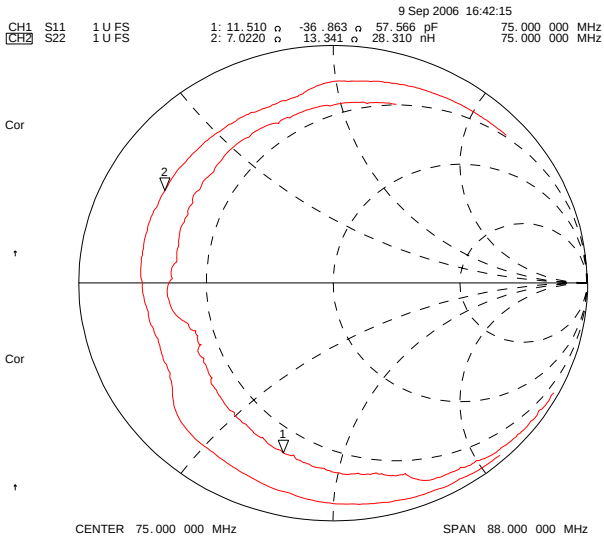


SAW Bandpass Filter 233003B









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.	233003B	
		Rev. Date	2006-09-11	
		Rev.	NM6030-CS01	5/5