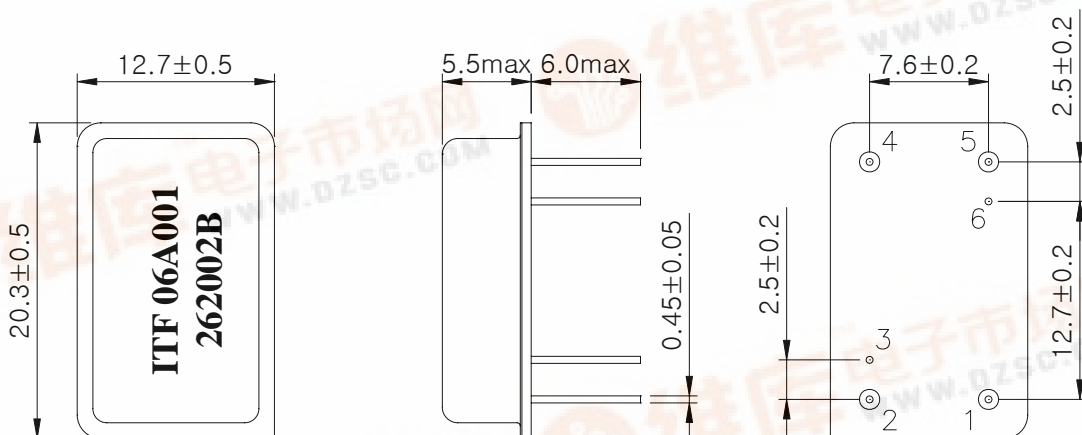


SAW Bandpass Filter 262002B

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 : 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

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	262002B	
		Rev. Date	2006-09-20	
		Rev.	NM6031-CS01	1/5

SAW Bandpass Filter 262002B

3. Specifications

F₀ = 250.0 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	250.0	-
Insertion Loss	dB	-	27.0	28.0
1dB Bandwidth	MHz	-	20.06	-
3dB Bandwidth	MHz	20.3	20.4	-
40dB Bandwidth	MHz	-	21.9	22.0
Amplitude Ripple (F ₀ +/- 9.75 MHz)	dB	-	0.7	1.0
Group Delay Variation (F ₀ +/- 9.75 MHz)	nsec	-	50	100
Absolute Delay	usec	-	2.7	-
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-23	-

Notes :

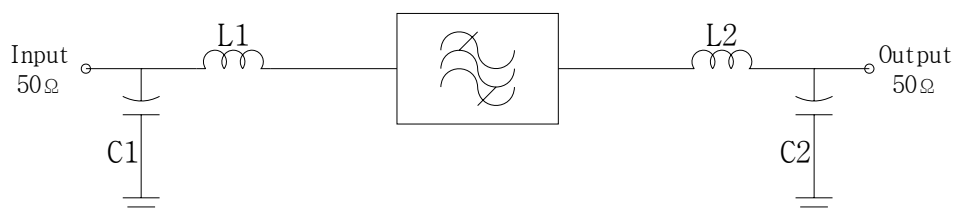
- 1) All specifications are based on the matching schematic shown below
- 2) All specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature
- 3) All attenuation measurements are measured relative to insertion loss

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	262002B	
		Rev. Date	2006-09-20	
		Rev.	NM6031-CS01	2/5

SAW Bandpass Filter 262002B

4. Matching Schematic

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



L1 = 18nH, L2 = 18nH

C1 = 24pF, C2 = 27pF

5. Marking Configuration


ITF¹⁾06A001²⁾

262002B³⁾

1) Manufacturer name

2) Lot Number

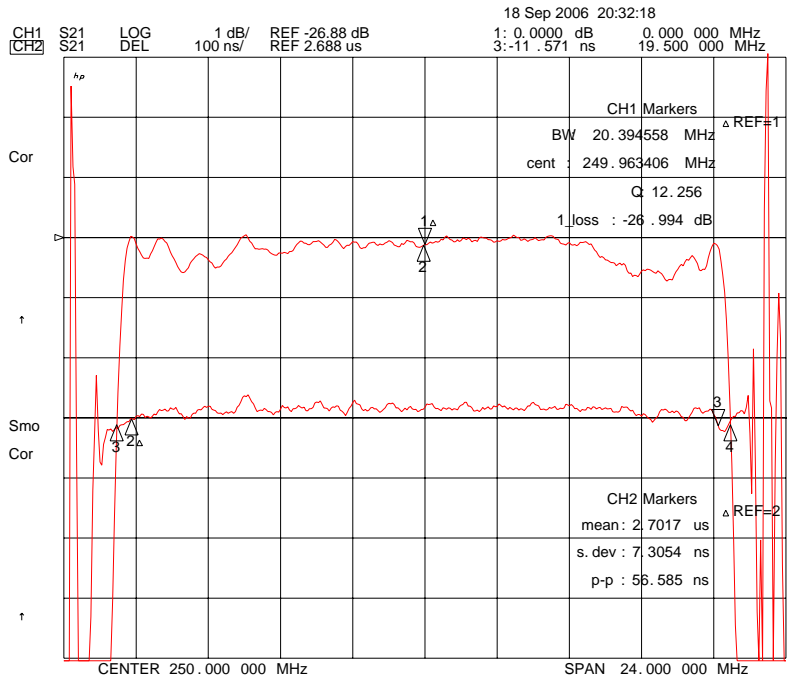
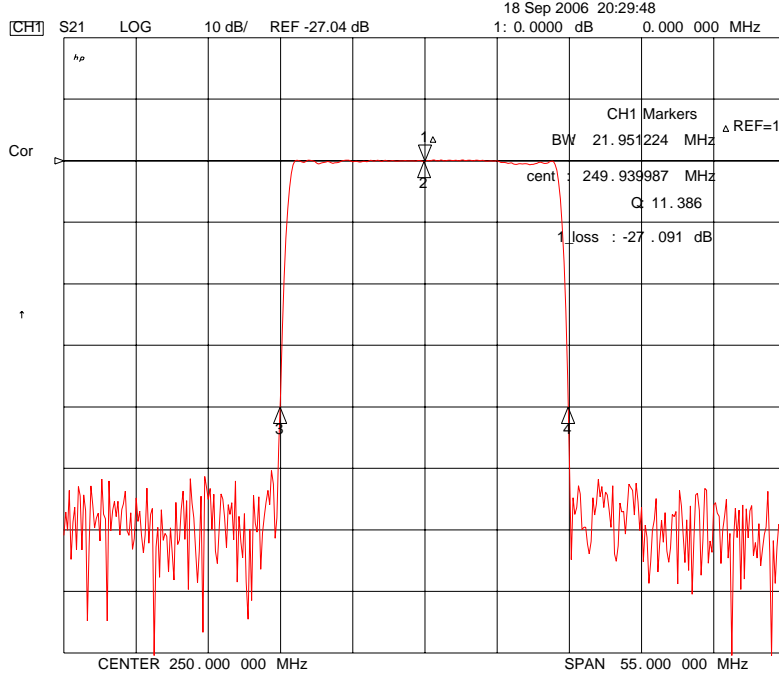
3) Part Number

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	262002B	
		Rev. Date	2006-09-20	
		Rev.	NM6031-CS01	3/5

SAW Bandpass Filter 262002B



6. Typical Performance (at +25°C)



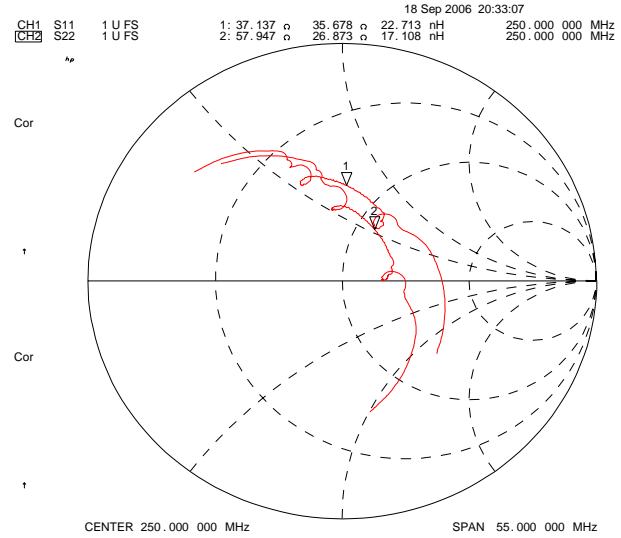
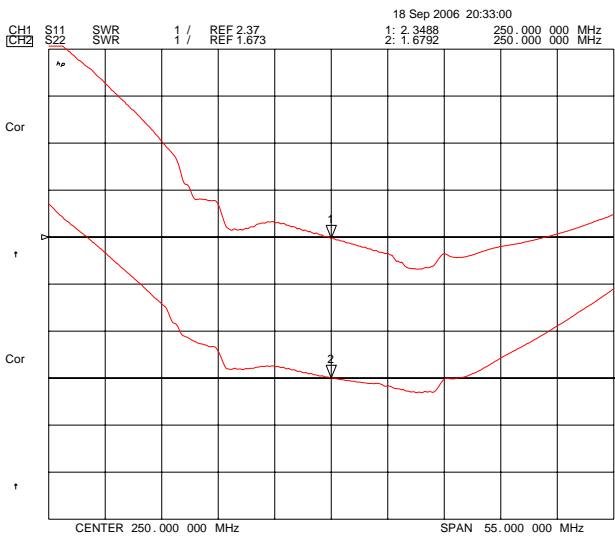
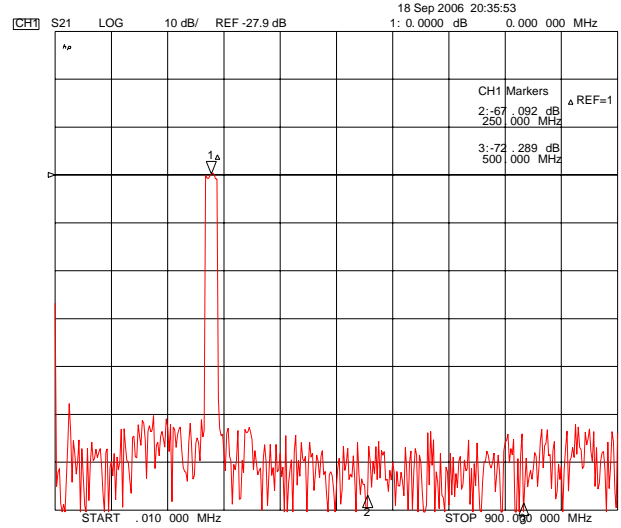
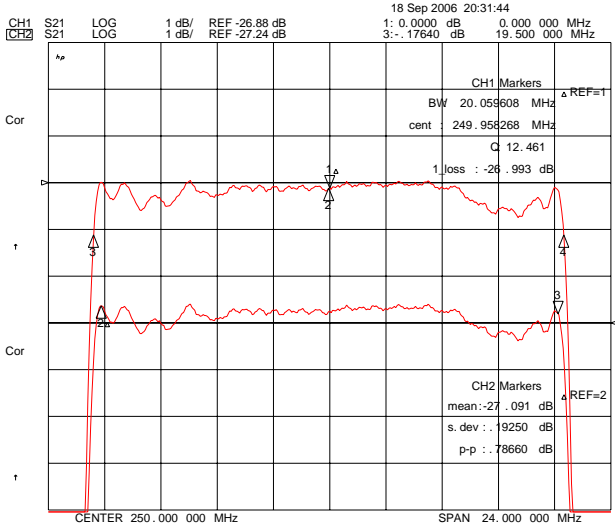
ITF Co., Ltd.
 102-901, Bucheon Technopark 364,
 Samjeong-Dong, Ojeong-Gu, Bucheon-City,
 Gyeonggi-Do, Korea 421-809

Part No. 262002B

Rev. Date 2006-09-20

Rev. NM6031-CS01 4/5

SAW Bandpass Filter 262002B



	<p align="center">ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809</p>	Part No.	262002B	
		Rev. Date	2006-09-20	
		Rev.	NM6031-CS01	5/5