

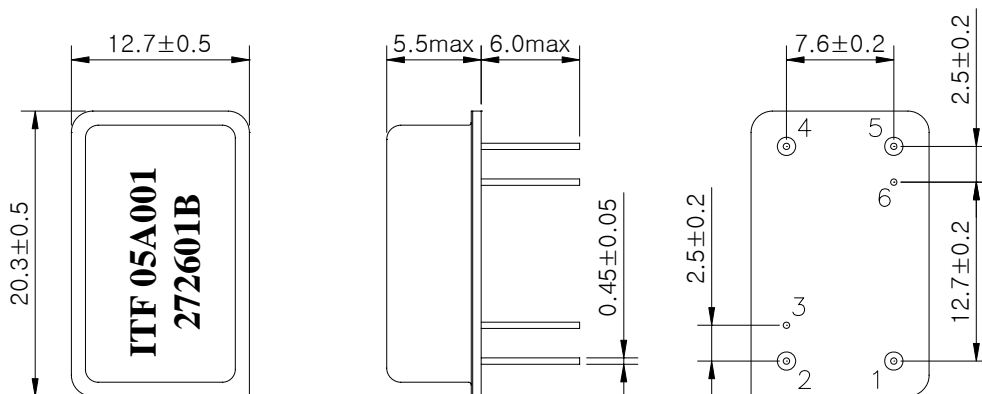
SAW Bandpass Filter 272601B



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 : 2012

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.	272601B	
		Rev. Date	2005-02-21	
		Rev.	NM5006-CS01	1/5

SAW Bandpass Filter 272601B



3. Specifications

Fo = 70.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	69.94	70.0	70.06
Insertion Loss	dB	-	24.5	26.0
1dB Bandwidth	MHz	-	26.26	-
3dB Bandwidth	MHz	26.4	26.65	-
40dB Bandwidth	MHz	-	28.45	28.6
Amplitude Ripple (Fo +/- 12.49 MHz)	dB	-	0.7	1.0
Group Delay Variation (Fo +/- 12.49 MHz)	nsec	-	40	100
Absolute Delay	usec	-	1.97	-
Ultimate Rejection	dB	50	55	-
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

All attenuation measurements are measured relative to insertion loss

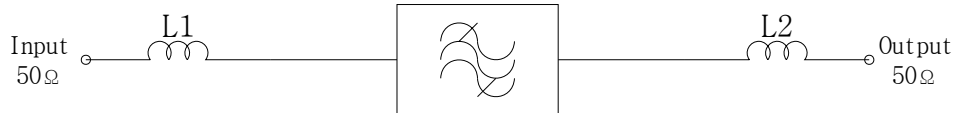
	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	272601B	
		Rev. Date	2005-02-21	
		Rev.	NM5006-CS01	2/5

SAW Bandpass Filter 272601B



4. Matching Schematic

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



L1 = 150 nH , L2 = 180 nH

5. Marking Configuration

ITF¹⁾05A001²⁾

272601B³⁾


● ⁴⁾

1) Manufacturer name

2) Lot Number

3) Part Number

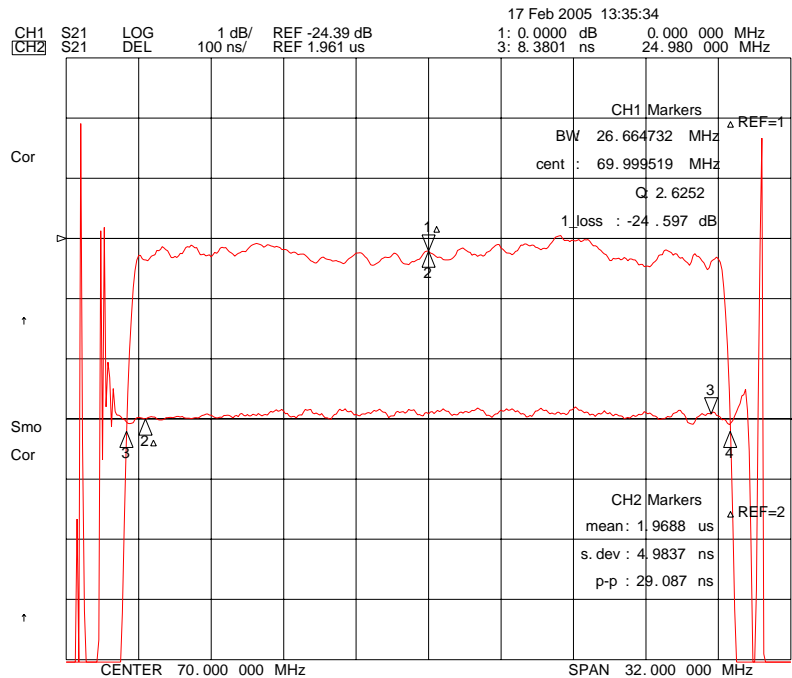
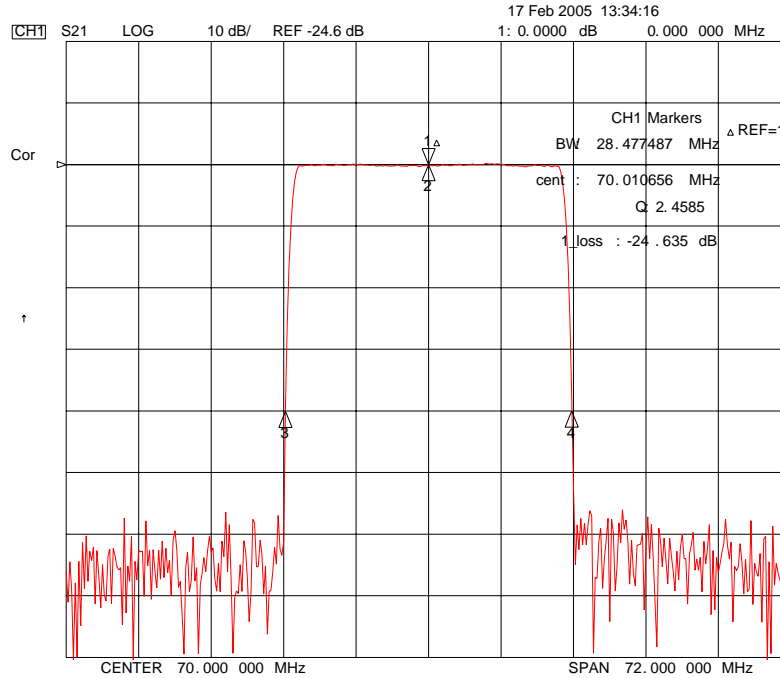
4) Pad Number 1 Index

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	272601B	
		Rev. Date	2005-02-21	
		Rev.	NM5006-CS01	3/5

SAW Bandpass Filter 272601B



6. Typical Performance (at +25°C)



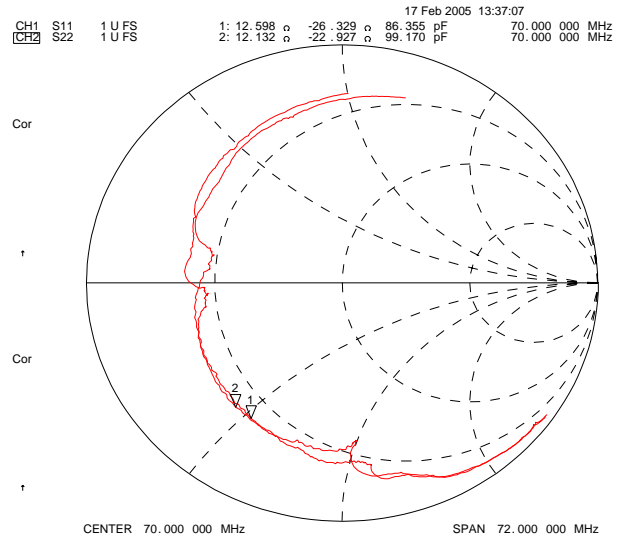
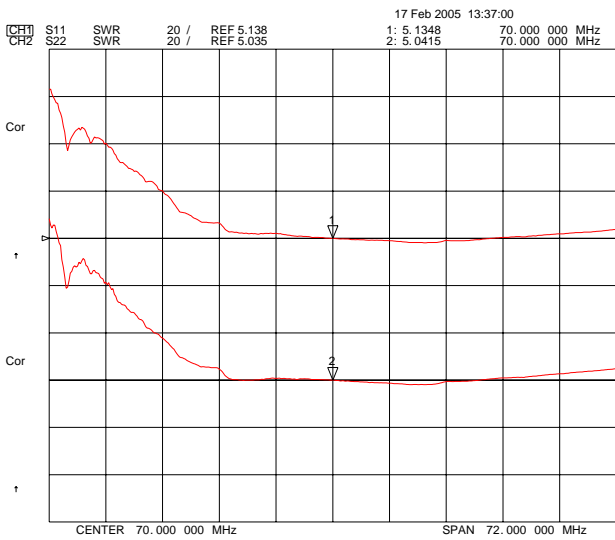
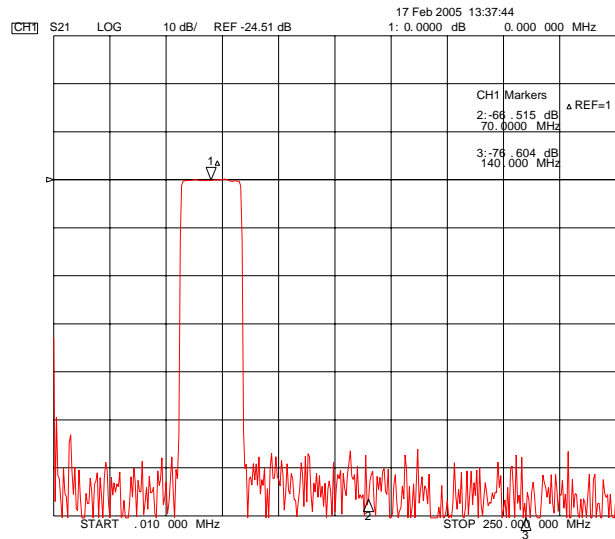
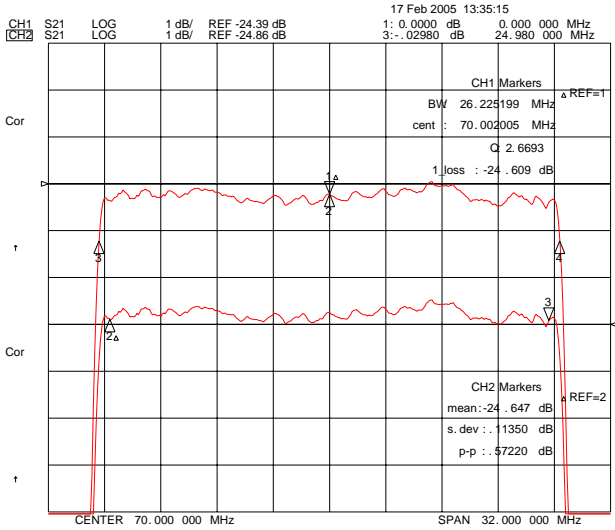
ITF Co., Ltd.
 102-901, Bucheon Technopark 364,
 Samjeong-Dong, Ojeong-Gu, Bucheon-City,
 Gyeonggi-Do, Korea 421-809

Part No. 272601B

Rev. Date 2005-02-21

Rev. NM5006-CS01 4/5

SAW Bandpass Filter 272601B



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

Part No.	272601B	
Rev. Date	2005-02-21	
Rev.	NM5006-CS01	5/5