

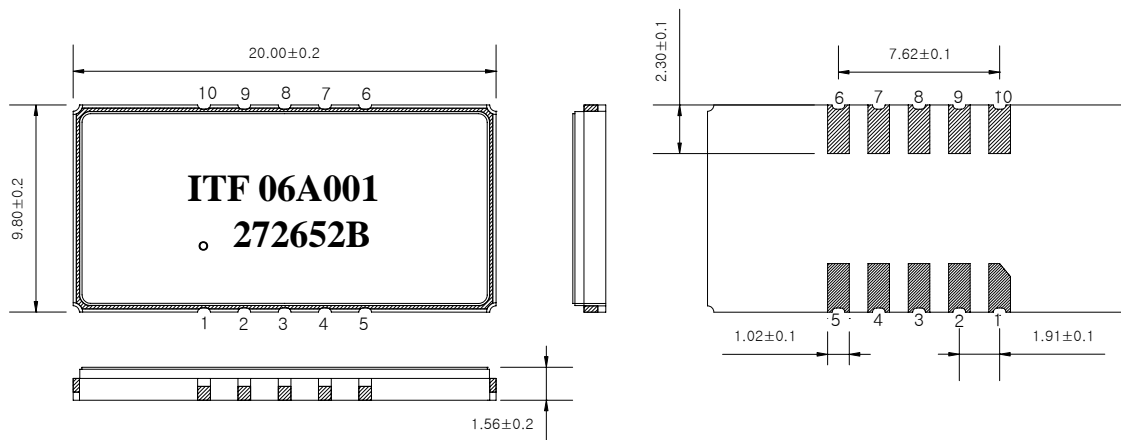
SAW Bandpass Filter 272652B



1. Features

- IF bandpass filter
- High attenuation
- Single-ended operation
- SMD Package
- Maximum Storage Temperature Range : -40°C ~ 85°C
- Electrostatics Sensitive Device (ESD)

2. Package Dimension



Package : S2098


Dimensions shown are nominal in millimeters

Body : Al₂O₃ Ceramic

Lid : Kovar, Ni Plated

Terminations : Au plating 0.3 ~ 1.0 um, Over a 1.27 ~ 8.89 um Ni Plating

Pin Configuration	
10	Input
5	Output
1, 4	Ground
Others	Case ground

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	272652B	
		Rev. Date	2006-10-09	
		Rev.	NM6032-CS01	1/10

SAW Bandpass Filter 272652B



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	-	70.0	-
Insertion Loss	dB	-	26	27
1dB Bandwidth	MHz	-	26.3	-
3dB Bandwidth	MHz	26.4	26.7	-
40dB Bandwidth	MHz	-	28.45	28.6
Amplitude Ripple (Fo +/- 12.48 MHz)	dB	-	0.65	1.0
Group Delay Variation (Fo +/- 12.48 MHz)	nsec	-	40	100
Absolute Delay	usec	-	1.97	-
Ultimate Rejection	dB	50	52	-
Temperature Coefficient of Frequency	ppm/°C	-	-80	-

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

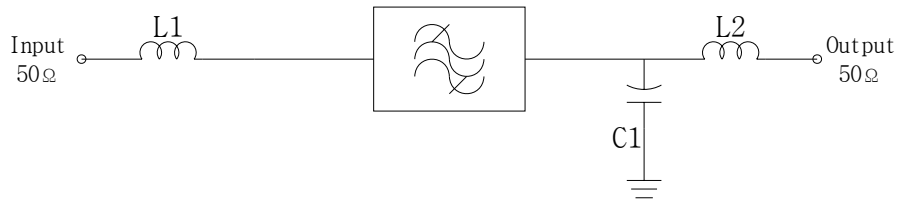
 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	272652B	
		Rev. Date	2006-10-09	
		Rev.	NM6032-CS01	2/10

SAW Bandpass Filter 272652B



4. Matching Schematic

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



L1 = 180nH, L2 = 180nH

C1 = 2.5pF

5. Marking Configuration


ITF¹⁾ 06A001²⁾

272652B³⁾

1) Manufacturer name

2) Lot Number

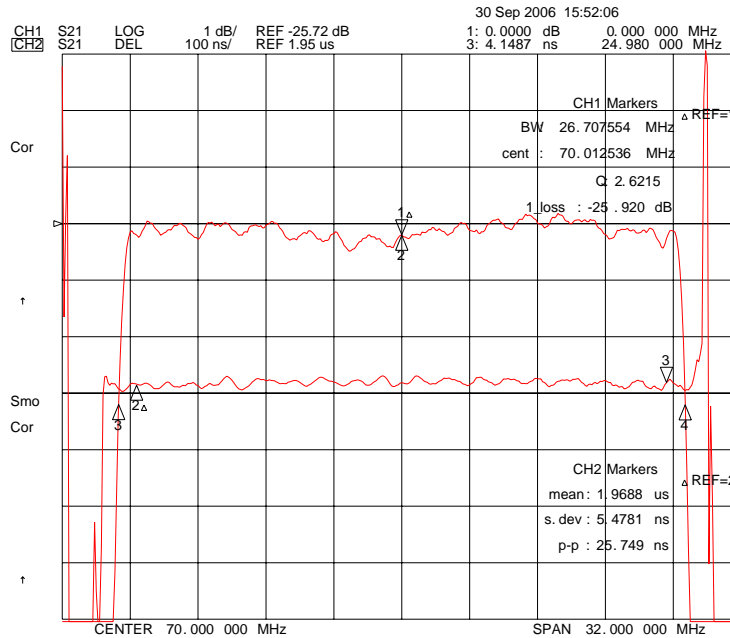
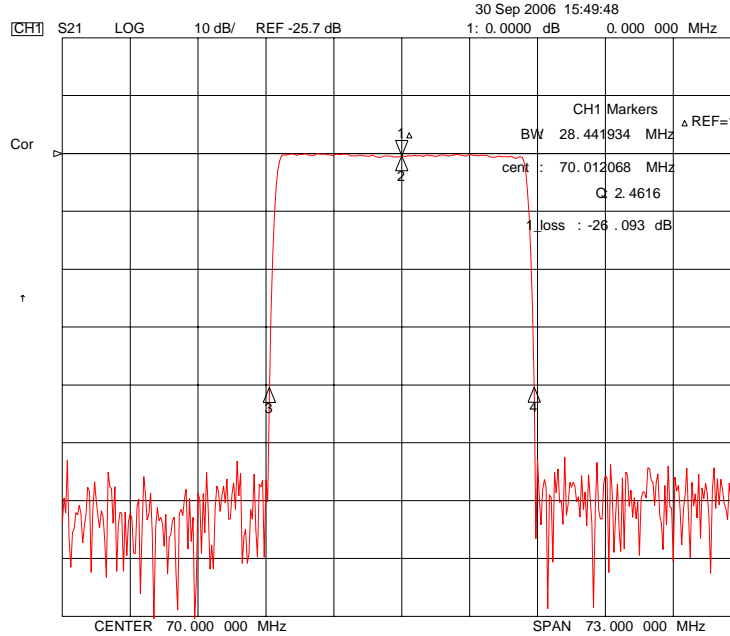
3) Part Number

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	272652B
		Rev. Date	2006-10-09
		Rev.	NM6032-CS01 3/10

SAW Bandpass Filter 272652B

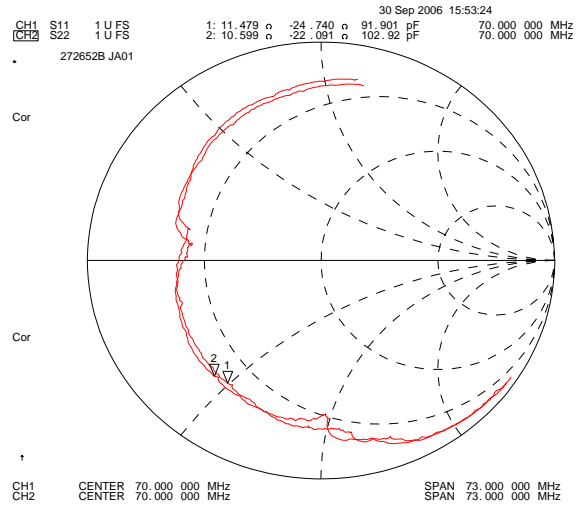
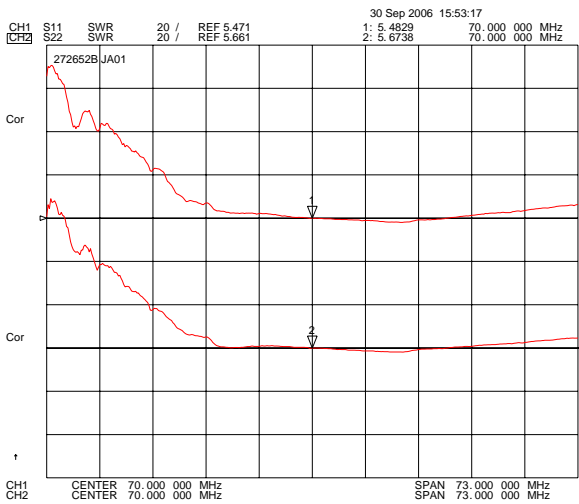
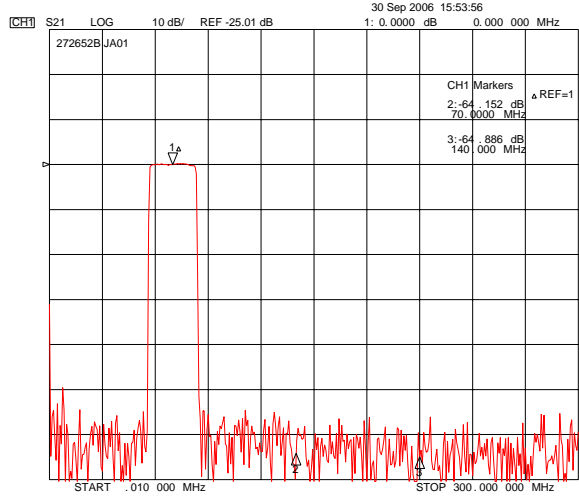
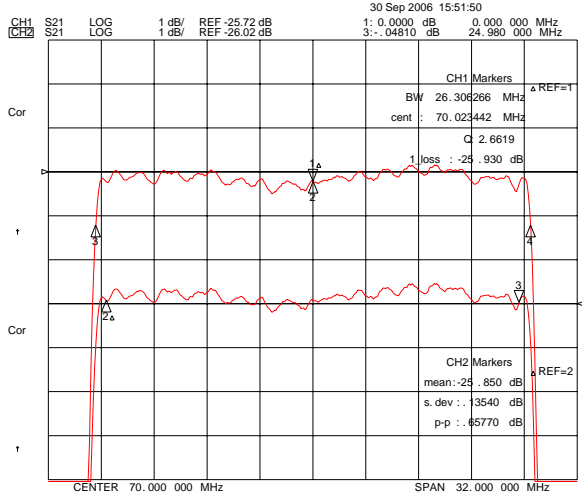


6. Typical Performance (at +25°C)



	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	272652B	
		Rev. Date	2006-10-09	
		Rev.	NM6032-CS01	4/10

SAW Bandpass Filter 272652B



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

Part No.	272652B	
Rev. Date	2006-10-09	
Rev.	NM6032-CS01	5/10