

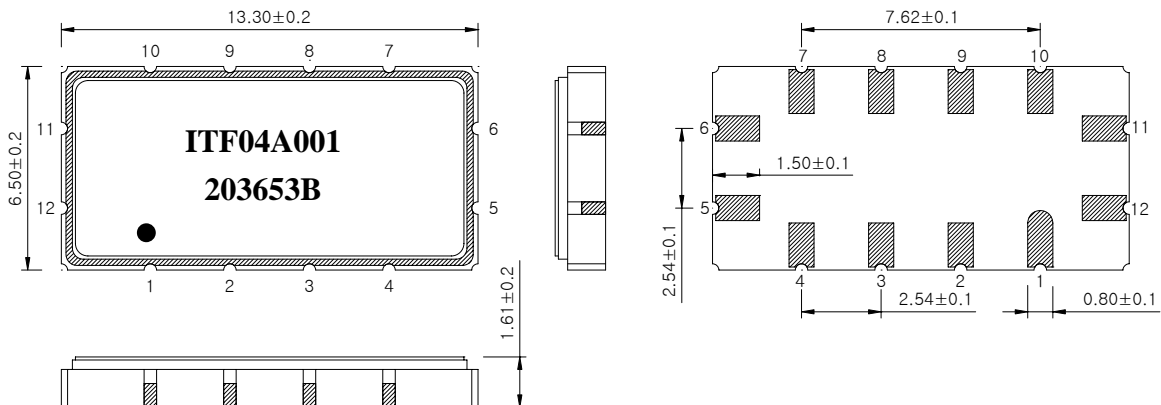
SAW Bandpass Filter 203653B



1. Features

- IF Bandpass Filter
- High Attenuation
- Single-Ended Operation
- Ceramic Surface Mount Device (SMD) Package
- Maximum Storage Temperature Range : -40 °C ~ 85 °C
- Electrostatics Sensitive Device (ESD)

2. Package Dimensions



Package : S1365

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

Pad Configuration	
11	Input
5	Output
6, 12	Ground
Other	Case ground



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

Part No.	203653B	
Rev. Date	2004-05-27	
Rev.	NM3006-CS03	1/5

SAW Bandpass Filter 203653B



3. Specifications

Fo = 155.1 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	155.05	155.1	155.2
Insertion Loss	dB	-	23.5	25.0
1dB Bandwidth	MHz	19.1	19.25	-
3dB Bandwidth	MHz	19.5	19.75	-
40dB Bandwidth	MHz	-	21.55	21.7
Amplitude Ripple (Fo +/- 9.375 MHz)	dB	-	0.7	1.0
Group Delay Variation (Fo +/- 9.375 MHz)	Nsec	-	30	100
Absolute Delay	Usec	-	1.51	-
Ultimate Rejection	dB	48	50	-
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
- 3) All attenuation measurements are measured relative to insertion loss

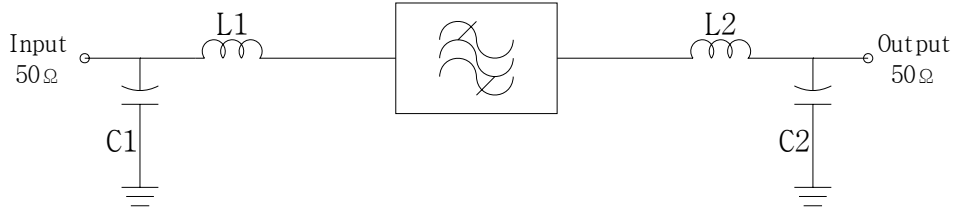
 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203653B	
		Rev. Date	2004-05-27	
		Rev.	NM3006-CS03	2/5

SAW Bandpass Filter 203653B



4. Matching Schematic

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



$$L1 = L2 = 33 \text{ nH}$$

$$C1 = C2 = 22 \text{ pF}$$

5. Marking Configuration

ITF¹⁾ 04A001²⁾

203653B³⁾

●⁴⁾

1) Manufacturer name

2) Lot Number

3) Part Number

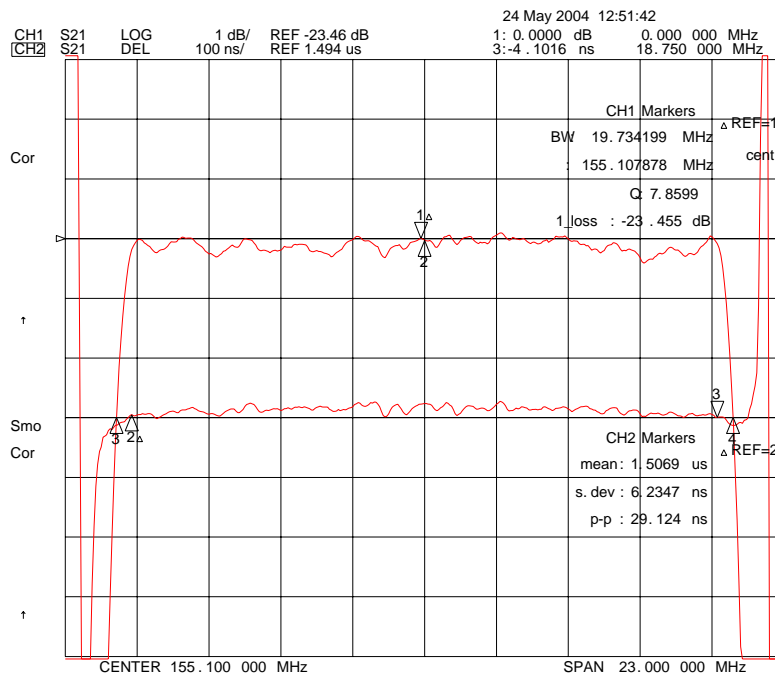
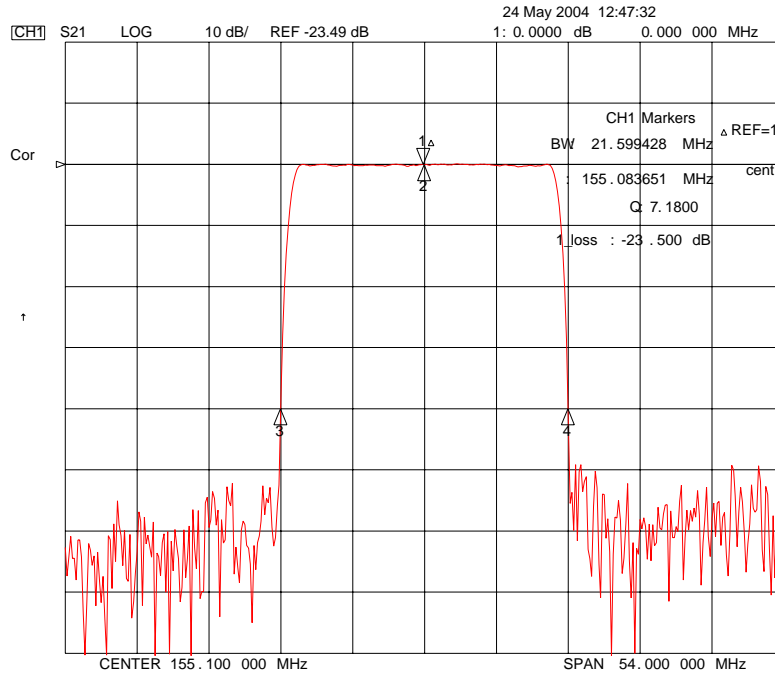
4) Pad Number 1 Index

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		Rev. Date	2004-05-27	
		Rev.	NM3006-CS03	3/5

SAW Bandpass Filter 203653B



6. Typical Performance (at +25°C)



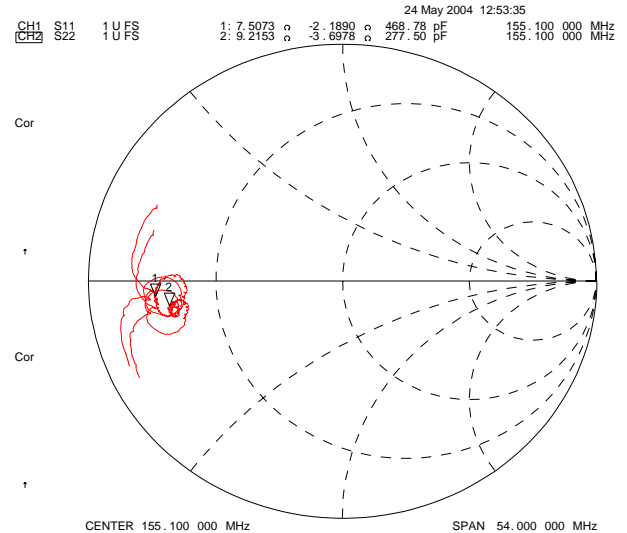
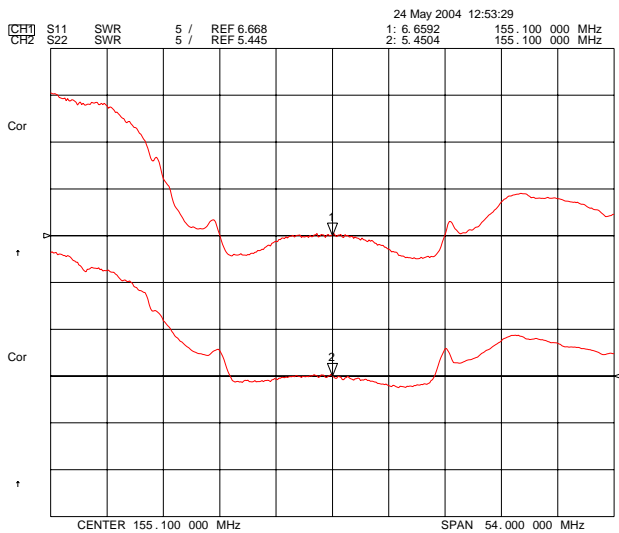
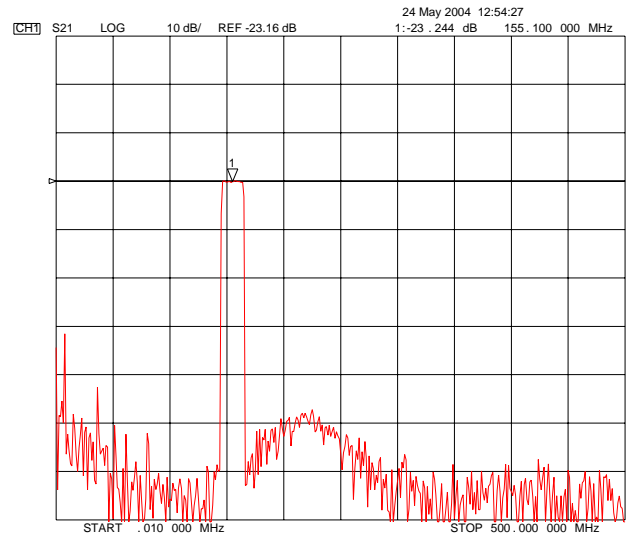
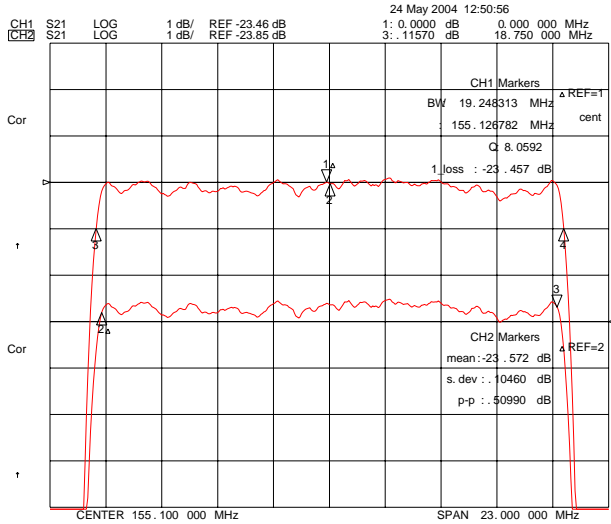
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Rev. NM3006-CS03 4/5

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Part No.	203653B	
Rev. Date	2004-05-27	
Rev.	NM3006-CS03	5/5