

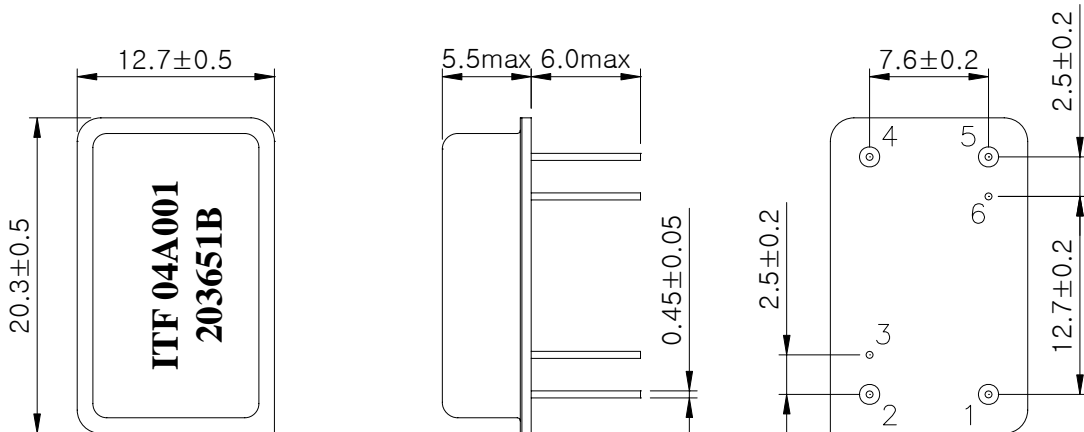
SAW Bandpass Filter 203651B



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.	203651B	
Rev. Date	2004-06-07	
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3. Specifications

Fo = 192.5 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	192.3	192.5	192.7
Insertion Loss	dB	-	24.0	25.5
1dB Bandwidth	MHz	23.0	23.2	-
3dB Bandwidth	MHz	23.8	24.0	-
40dB Bandwidth	MHz	-	27.6	27.9
Amplitude Ripple (Fo +/- 11.0 MHz)	dB	-	0.7	1.0
Group Delay Variation (Fo +/- 11.0 MHz)	nsec	-	50	150
Absolute Delay	usec	-	1.95	-
Ultimate Rejection	dB	50	55	-
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

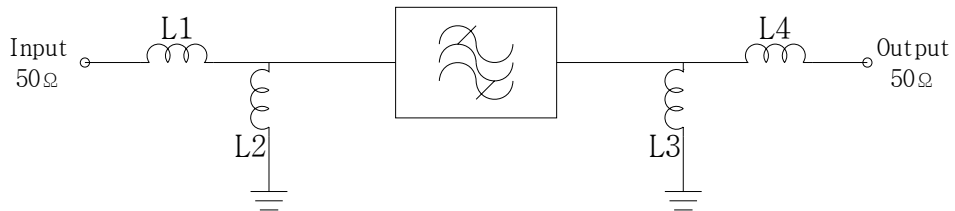
 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203651B	
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4. Matching Schematic

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




L1 = L4 = 68 nH,
L2 = 68 nH, L3 = 82 nH

5. Marking Configuration

ITF¹⁾04A001²⁾
203651B³⁾

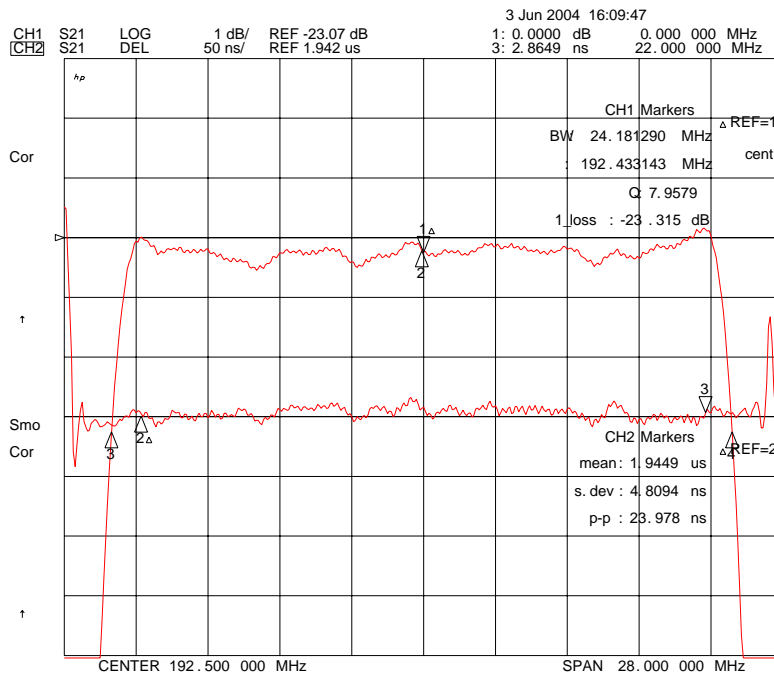
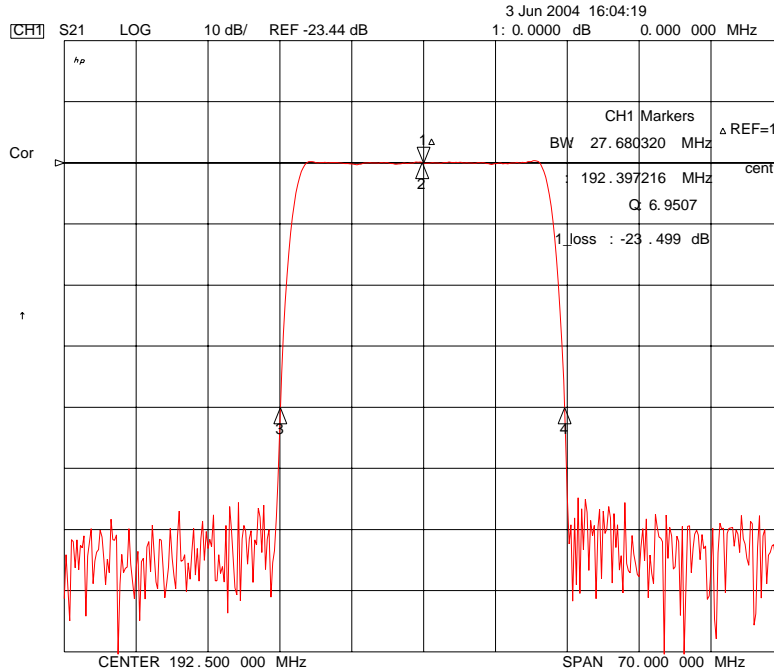
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	203651B	
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6. Typical Performance (at +25°C)



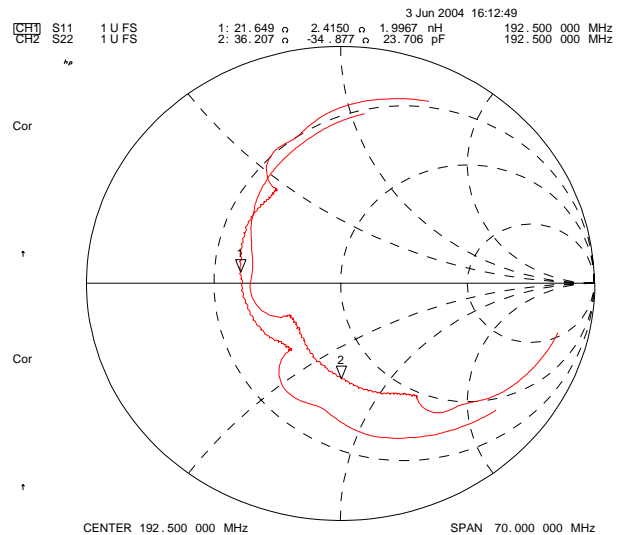
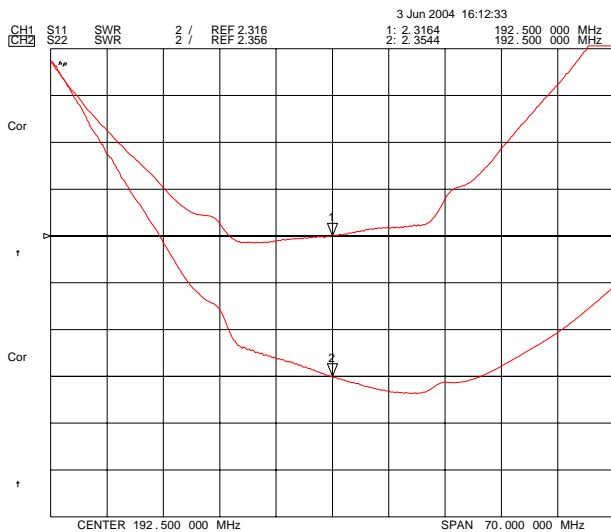
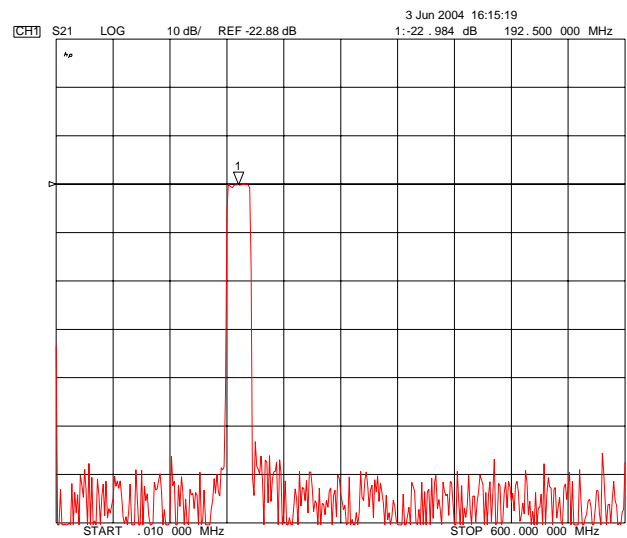
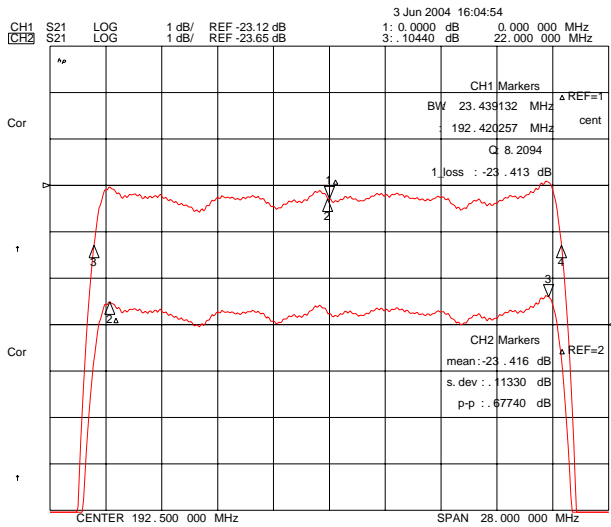
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