

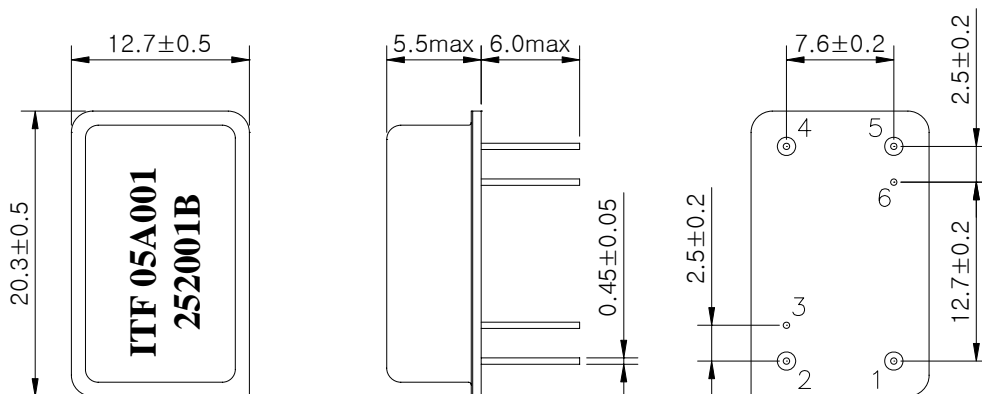
SAW Bandpass Filter 252001B



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.	252001B	
		Rev. Date	2005-02-21	
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3. Specifications

Fo = 120.0 MHz

Terminating source impedance : 50Ω and matching network


Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	119.9	120.0	120.1
Insertion Loss	dB	-	24.5	25.5
1dB Bandwidth	MHz	-	20.3	-
3dB Bandwidth	MHz	20.4	20.55	-
40dB Bandwidth	MHz	-	21.83	21.9
Amplitude Ripple (Fo +/- 9.75 MHz)	dB	-	0.7	1.0
Group Delay Variation (Fo +/- 9.75 MHz)	nsec	-	40	100
Absolute Delay	usec	-	2.26	-
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

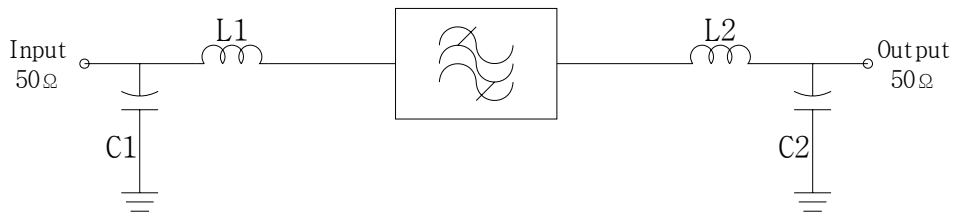
 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	252001B	
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4. Matching Schematic

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



L1 = 56 nH , L2 = 47 nH

C1 = 27 pF, C2 = 24 pF

5. Marking Configuration

ITF¹⁾ 05A001²⁾

252001B³⁾


● ⁴⁾

1) Manufacturer name

2) Lot Number

3) Part Number

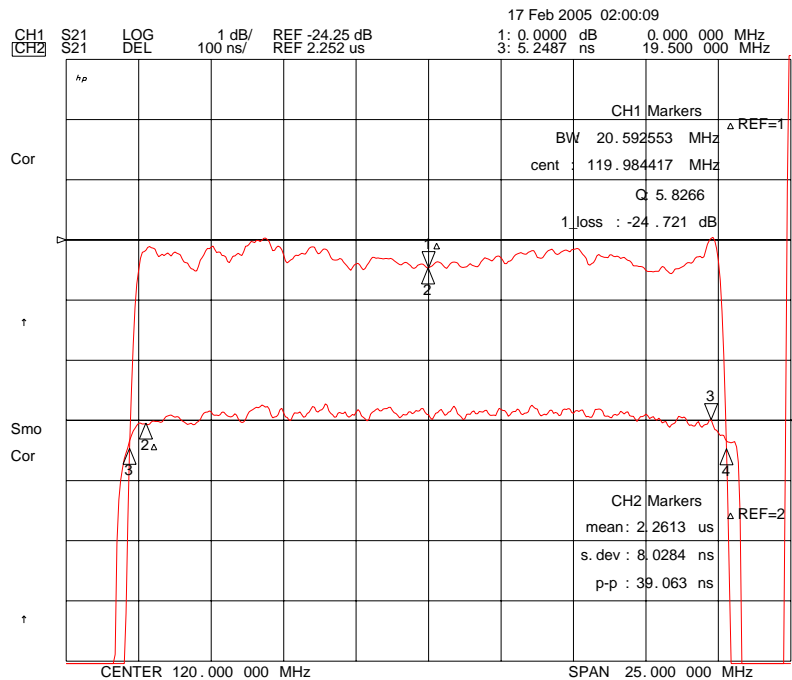
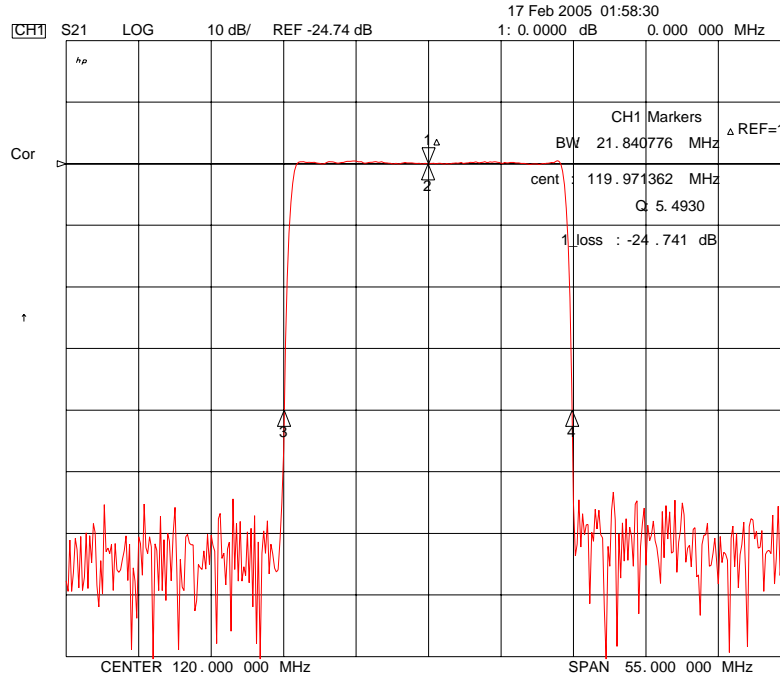
4) Pad Number 1 Index

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6. Typical Performance (at +25°C)



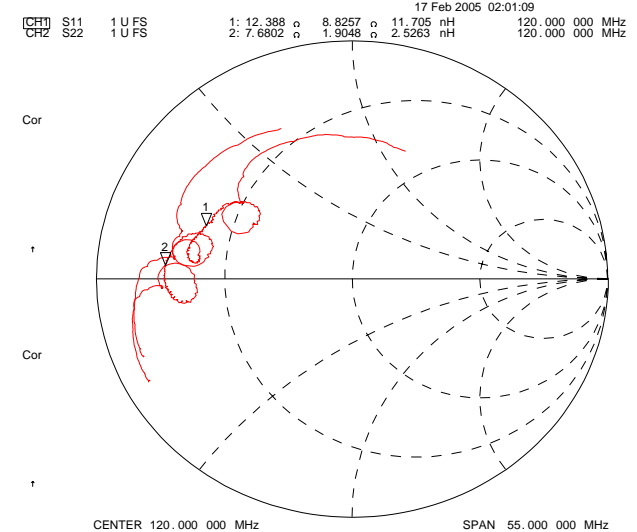
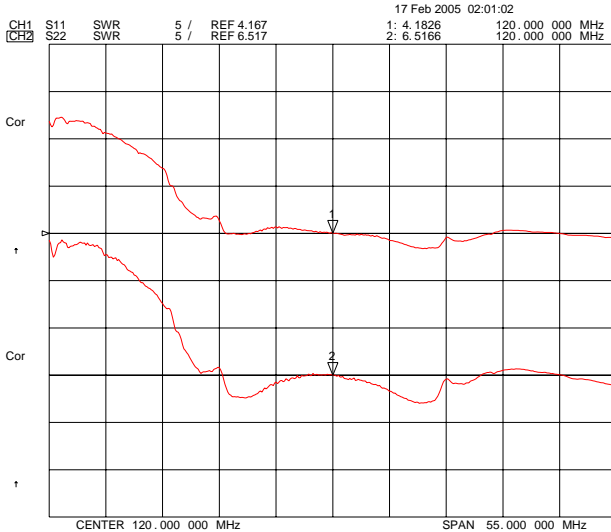
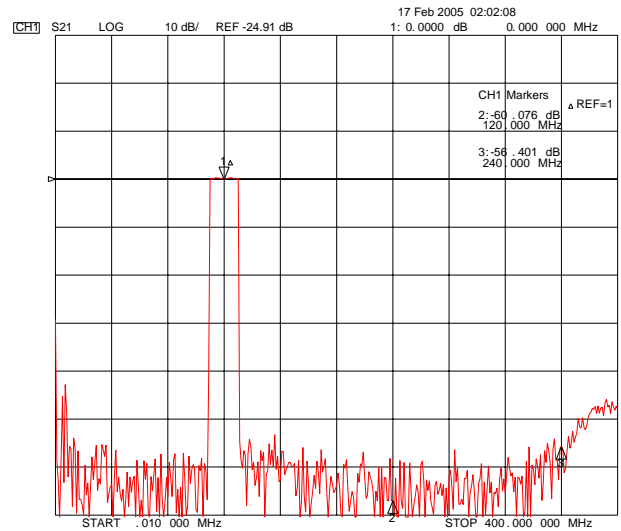
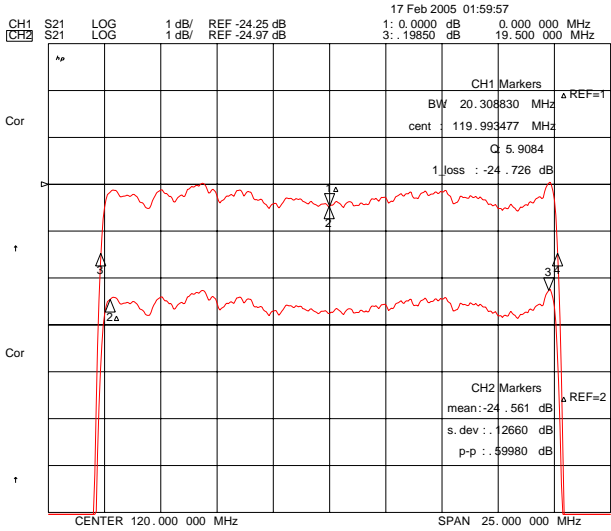
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