

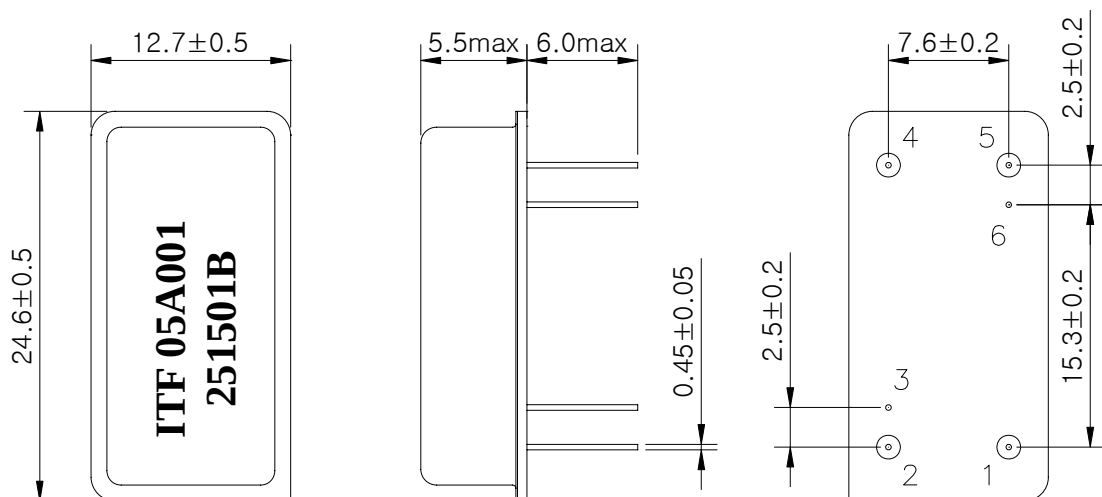
SAW Bandpass Filter 2510501B



1. Features

- IF Bandpass Filter
- High Attenuation
- Single-Ended Operation
- DIP Package
- Maximum Storage Temperature Range : -40℃ ~ 85℃
- Electrostatics Sensitive Device (ESD)

2. Package Dimension



Package : D2512

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

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	2510501B	
		Rev. Date	2005-06-13	
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3. Specifications

Fo = 151.95 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	151.88	151.95	152.1
Insertion Loss	dB	-	24.0	25.0
1dB Bandwidth	MHz	15.0	15.3	-
3dB Bandwidth	MHz	-	15.65	-
25dB Bandwidth	MHz	-	16.8	16.85
40dB Bandwidth	MHz	-	17.1	17.25
Amplitude Ripple (Fo +/- 7.462 MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo +/- 7.462 MHz)	nsec	-	50	100
Absolute Delay	usec	-	2.98	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C ²	-	-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

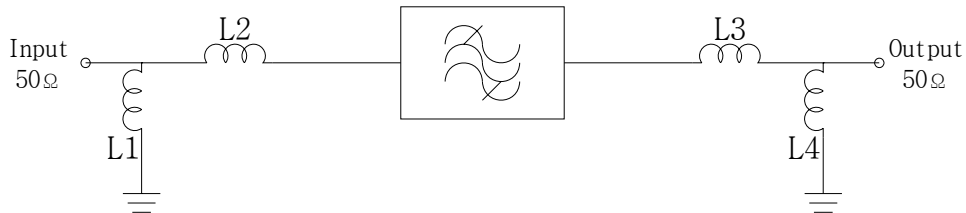
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4. Matching Schematic

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



L1 = 22nH, L2 = 10nH

L3 = 12nH, L4 = 22nH

5. Marking Configuration

ITF¹⁾05A001²⁾

251501B³⁾

1) Manufacturer name

2) Lot Number

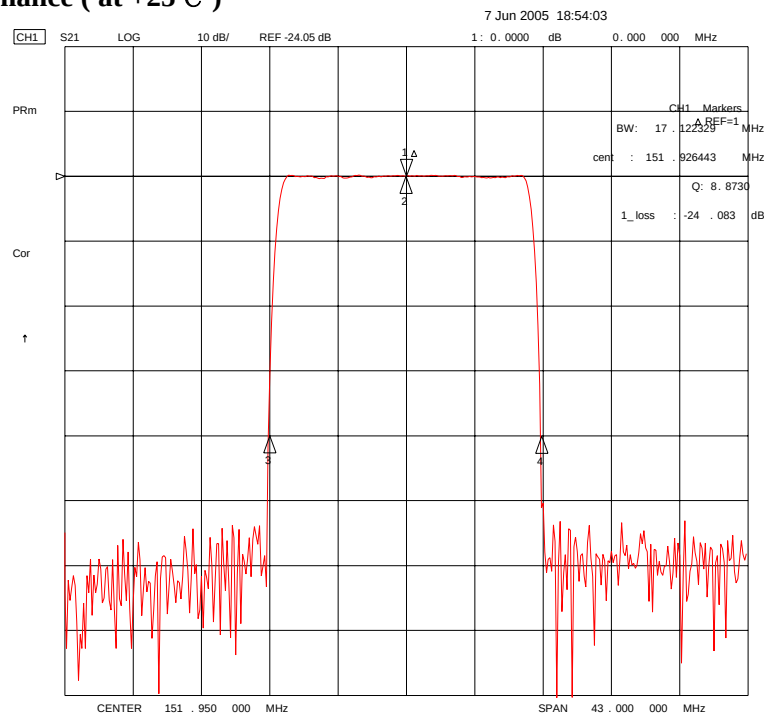
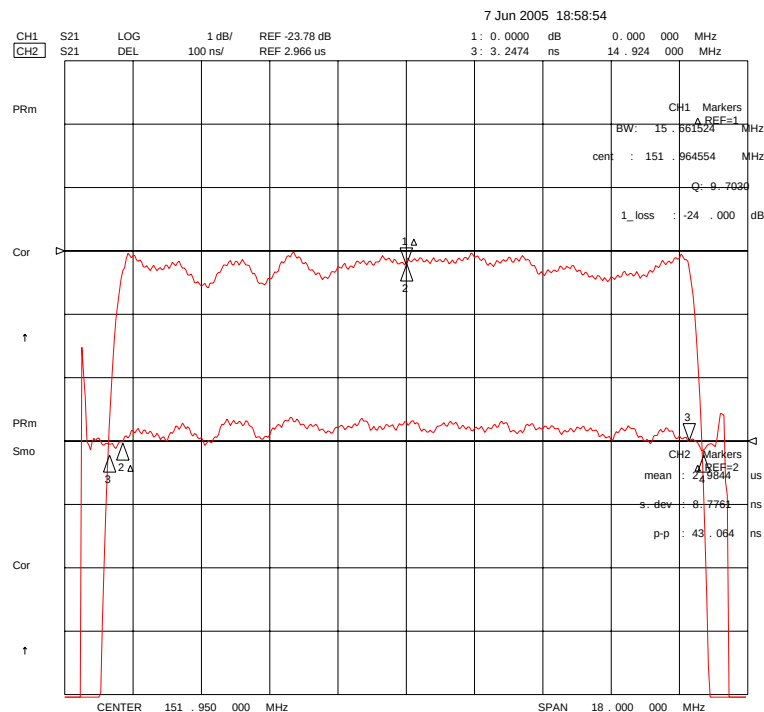
3) Part Number

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6. Typical Performance (at +25°C)



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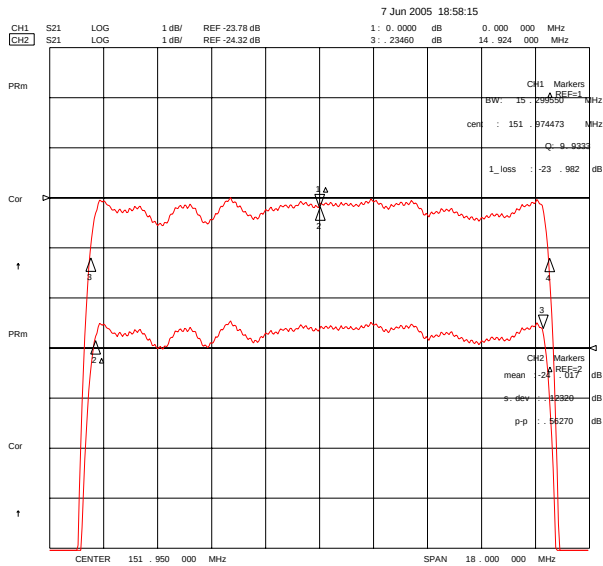
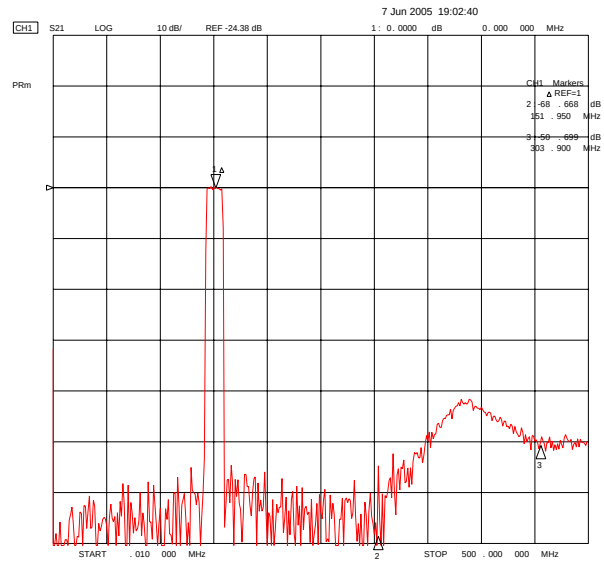
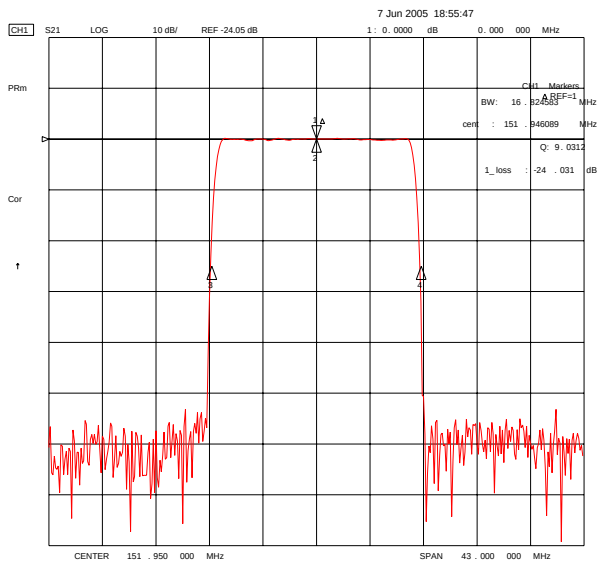
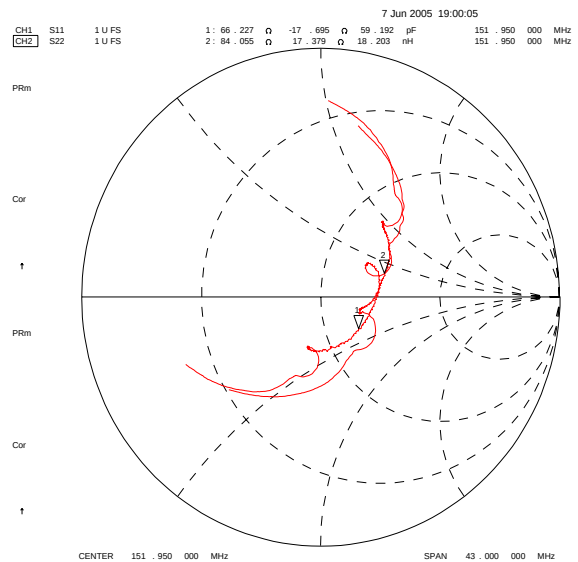
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