

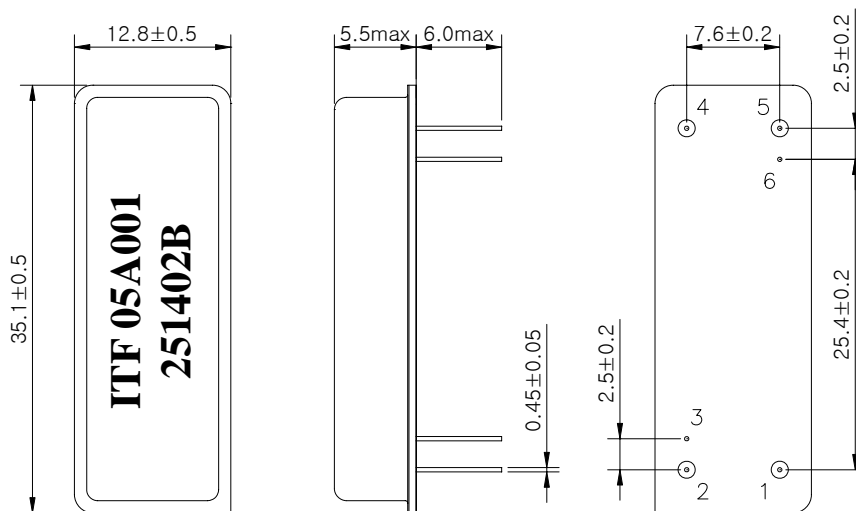
SAW Bandpass Filter



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 : D3512


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.	251402B	
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3. Specifications

Fo = 160.0 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	160.0	-
Insertion Loss	dB	-	30.0	31.5
1dB Bandwidth	MHz	-	14.1	-
3dB Bandwidth	MHz	14.1	14.34	-
40dB Bandwidth	MHz	-	15.45	15.6
Amplitude Ripple (fo±6.875MHz)	dB	-	0.6	1.0
Group Delay Variation (fo±6.875 MHz)	Nsec	-	50	100
Absolute Delay	usec	-	3.44	-
Ultimate Rejection	dB	50	52	-
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

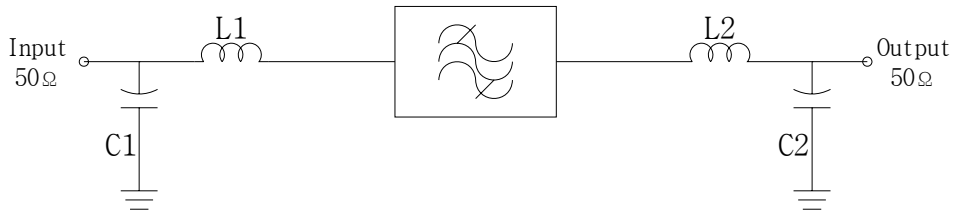
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4. Matching Schematic

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




L1 = 39nH, L2 = 39nH
C1 = 27pF, C2 = 27pF

5. Marking Configuration

ITF¹⁾ 05A001²⁾
DE1614 C1³⁾

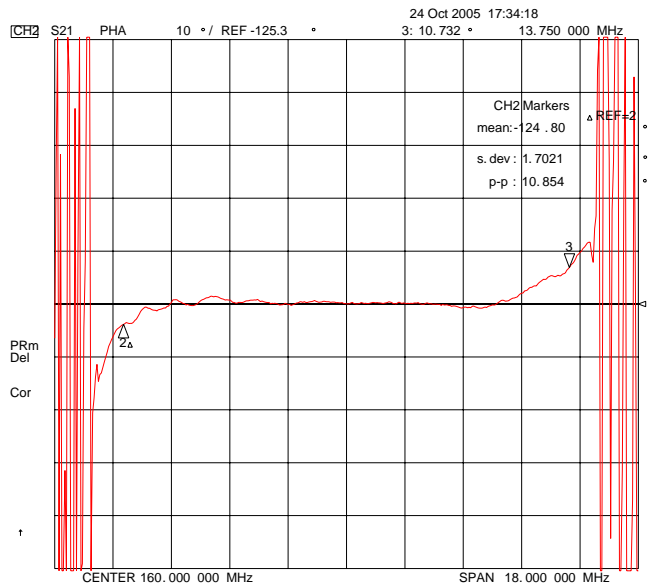
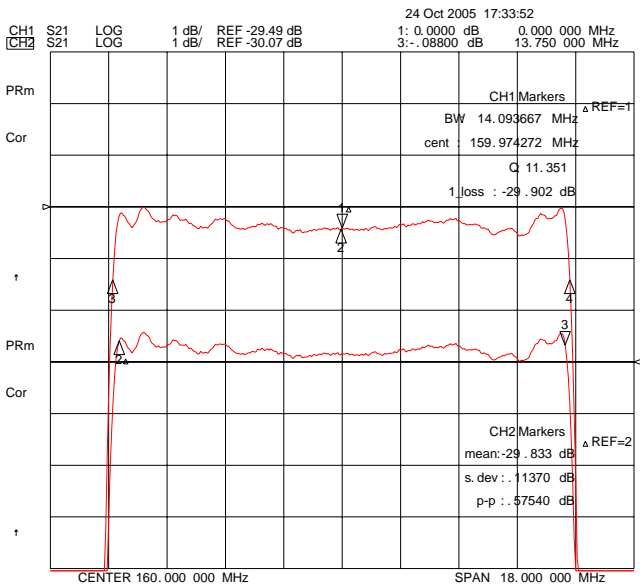
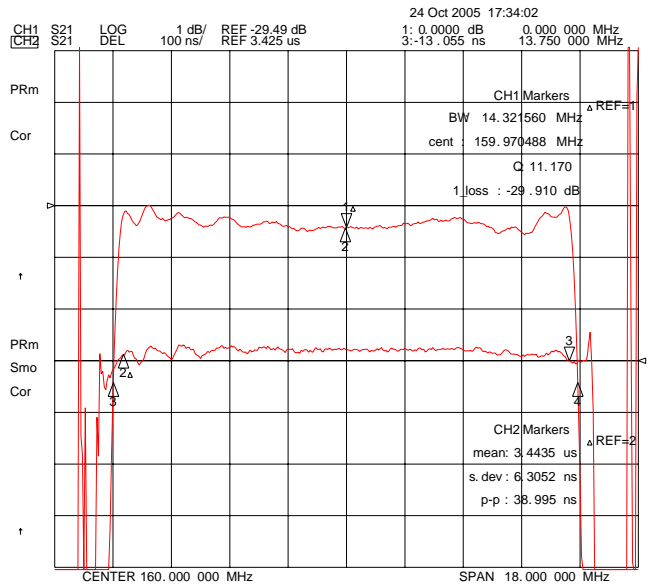
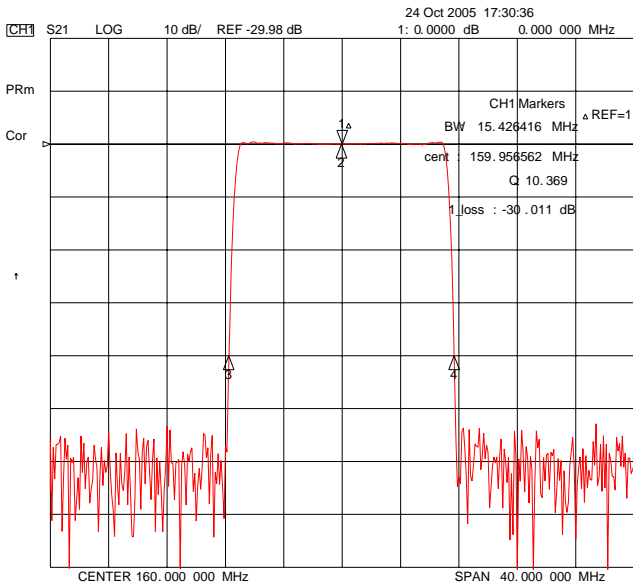
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	251402B	
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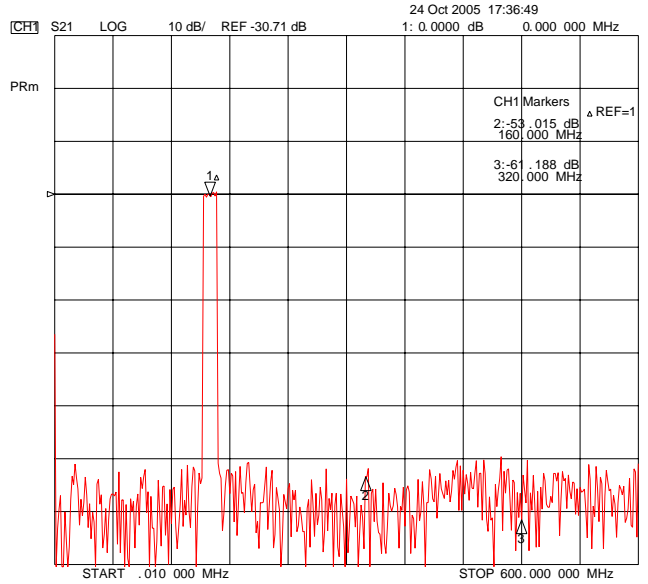
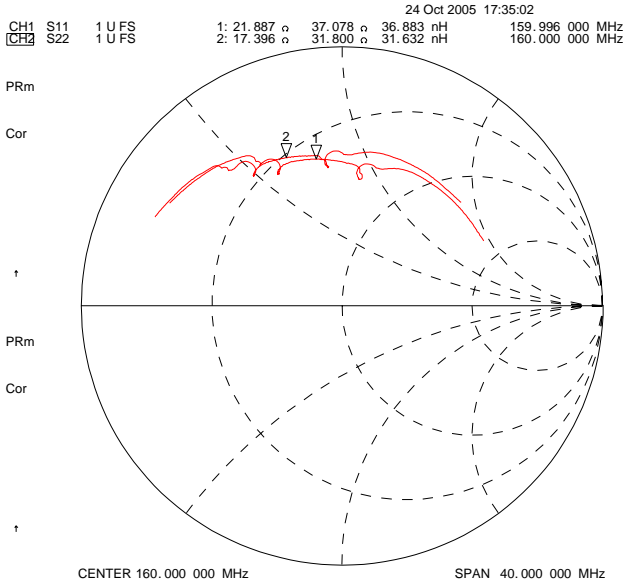
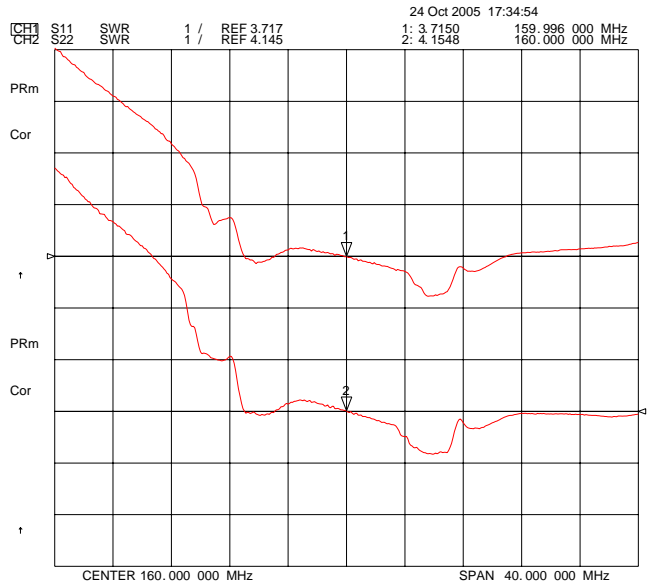
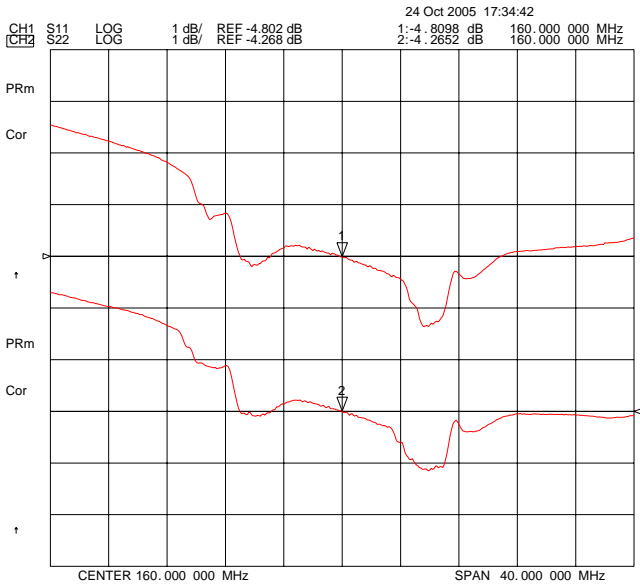
6. Typical Performance (at +25°C)



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