

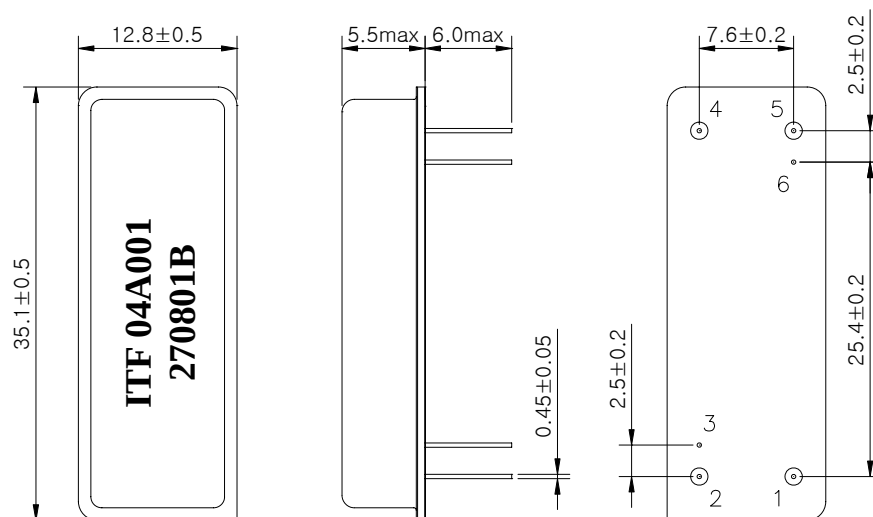
SAW Bandpass Filter 270801B



1. Features

- IF bandpass filter
- High attenuation
- Single-ended operation
- DIP Package
- Maximum Storage Temperature Range : $-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- 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

 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	270801B	
		Rev. Date	2004-03-17	
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3. Specifications

Fo = 70 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	70.0	-
Insertion Loss	dB	-	23.5	25.0
1dB Bandwidth	MHz	-	7.8	-
3dB Bandwidth	MHz	7.9	8.0	8.1
40dB Bandwidth	MHz	-	8.84	9.0
Amplitude Ripple (Fo +/- 3.7 MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo +/- 3.7 MHz)	nsec	-	80	150
Absolute Delay	usec	-	3.37	-
Relative Attenuation				
30.00 to 65.39 MHz	dB	35	55	-
65.39 to 65.59 MHz	dB	29	35	-
74.41 to 74.61 MHz	dB	29	35	-
74.61 to 100.00 MHz	dB	35	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-79	-

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

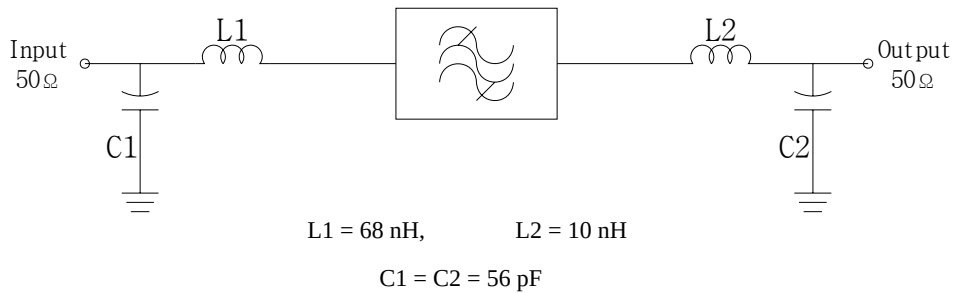
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4. Matching Schematic

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



5. Marking Configuration

ITF¹⁾ 04A001²⁾
270801B³⁾

1) Manufacturer name

2) Lot Number

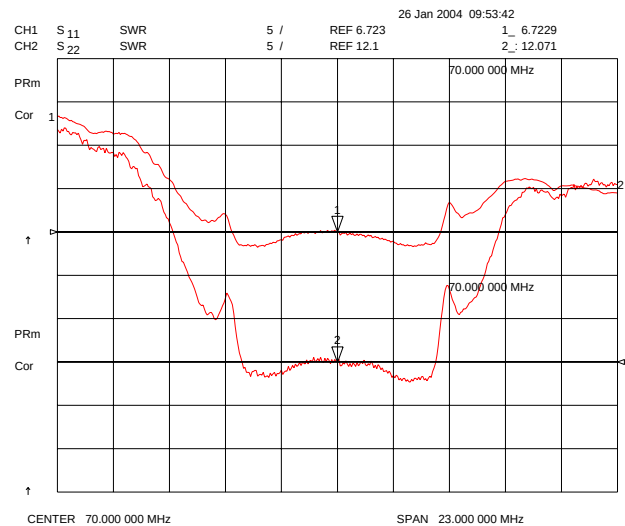
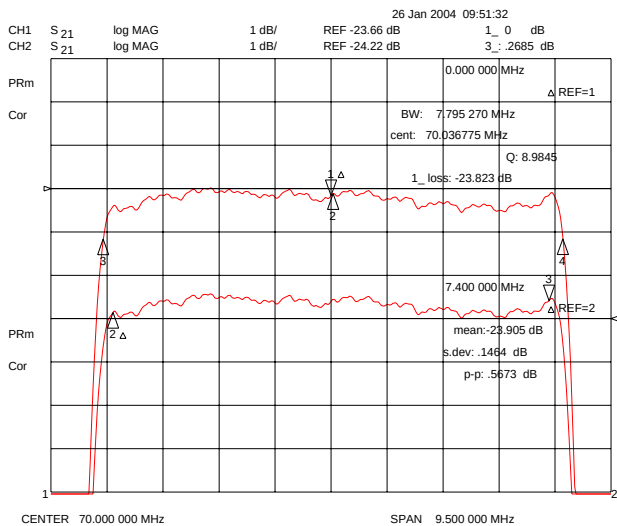
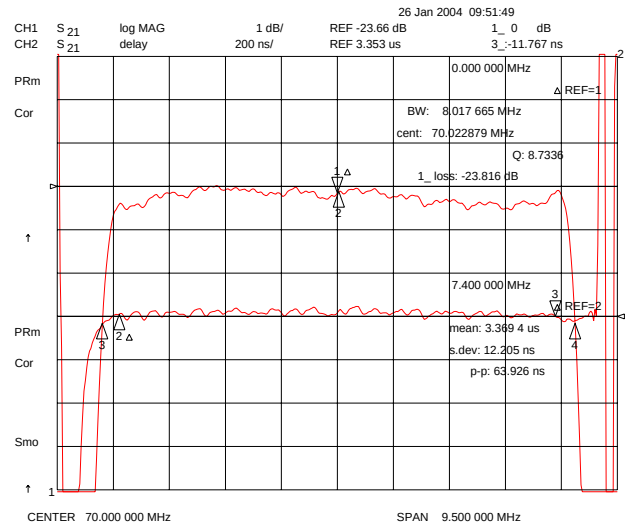
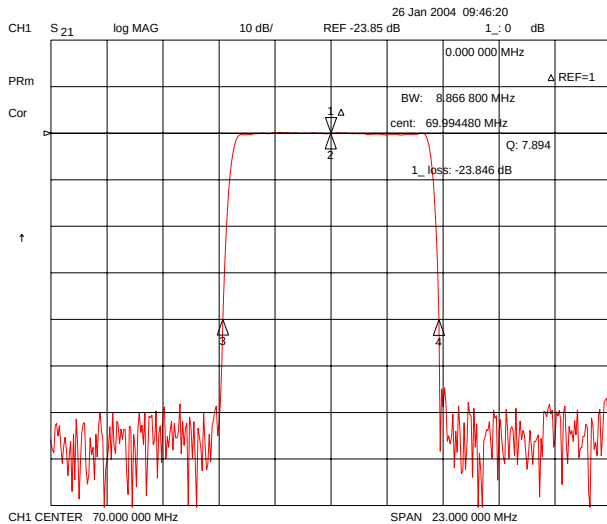
3) Part Number

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6. Typical Performance (at +25 °C)



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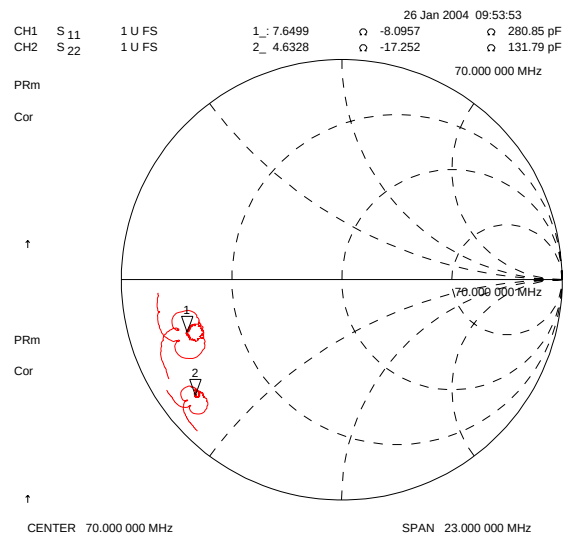
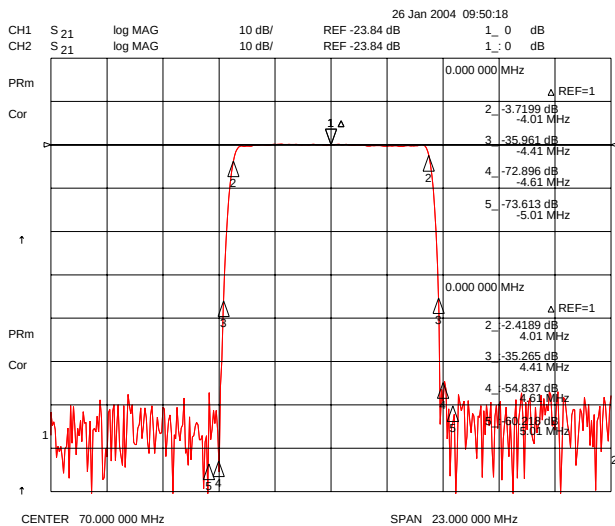
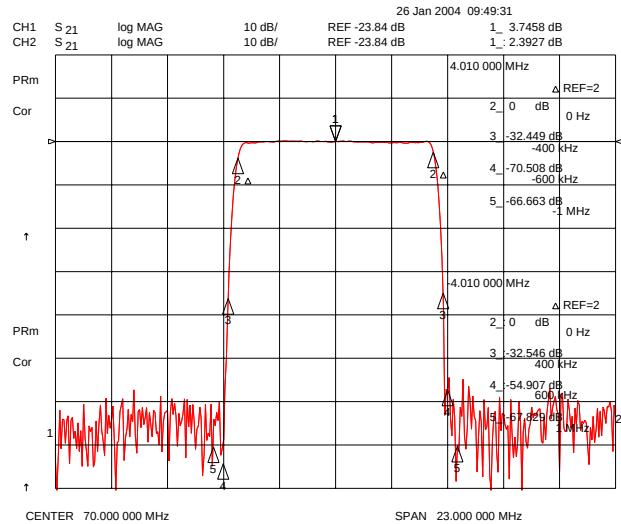
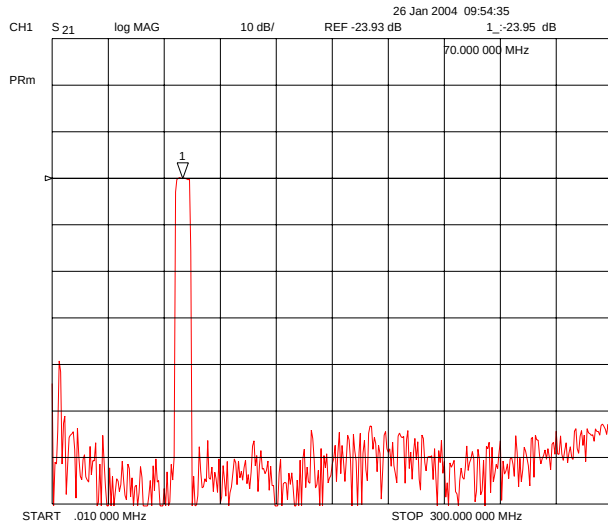
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