

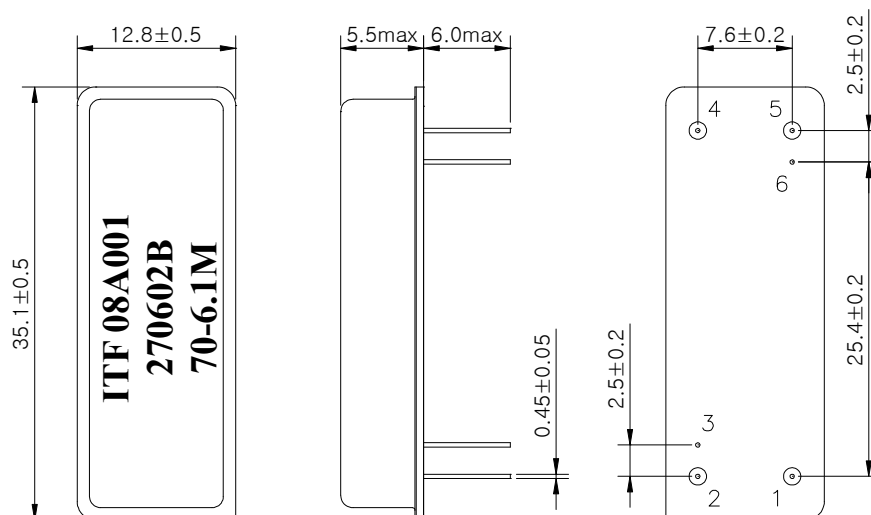
SAW Bandpass Filter 270602B



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 : 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.	270602B
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3. Specifications

Fo = 70.0 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	-	23.8	25.5
2dB Bandwidth	MHz	-	6.1	6.2
25dB Bandwidth	MHz	-	6.96	7.0
40dB Bandwidth	MHz	-	7.16	-
Amplitude Ripple (fo±2.8 MHz)	dB	-	0.45	1.0
Group Delay Variation (fo±1.8 MHz)	nsec	-	70	120
Absolute Delay	usec	-	4.0	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-18	-

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

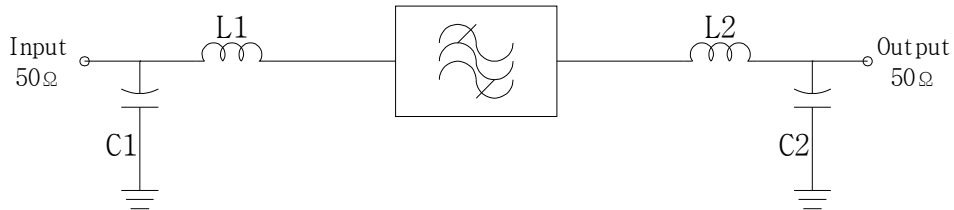
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4. Matching Schematic

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



$$L1 = 120\text{nH}, L2 = 150\text{nH}$$

$$C1 = 91\text{pF}, C2 = 82\text{pF}$$

5. Marking Configuration

ITF¹⁾ 08A001²⁾

270602B³⁾

70⁴⁾ -6.1M⁵⁾

1) Manufacturer name

2) Lot Number

3) Part Number

4) Center Frequency

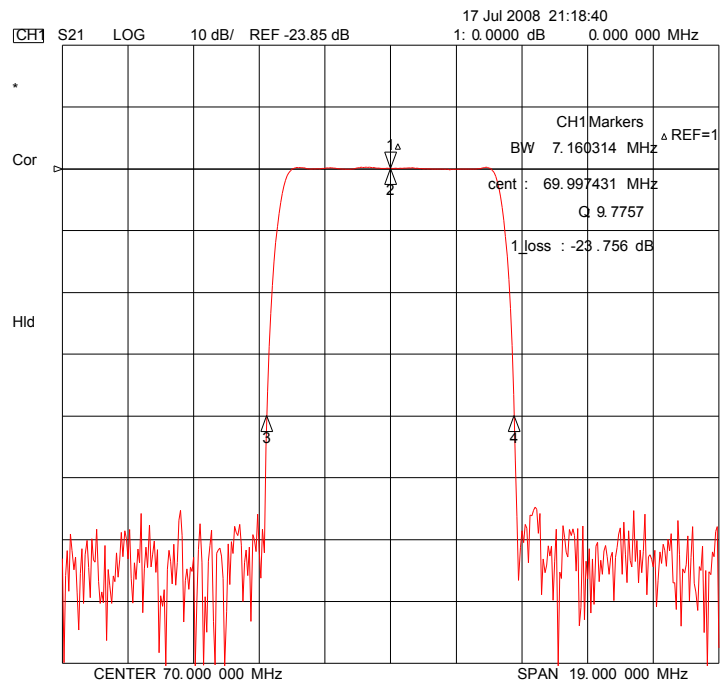
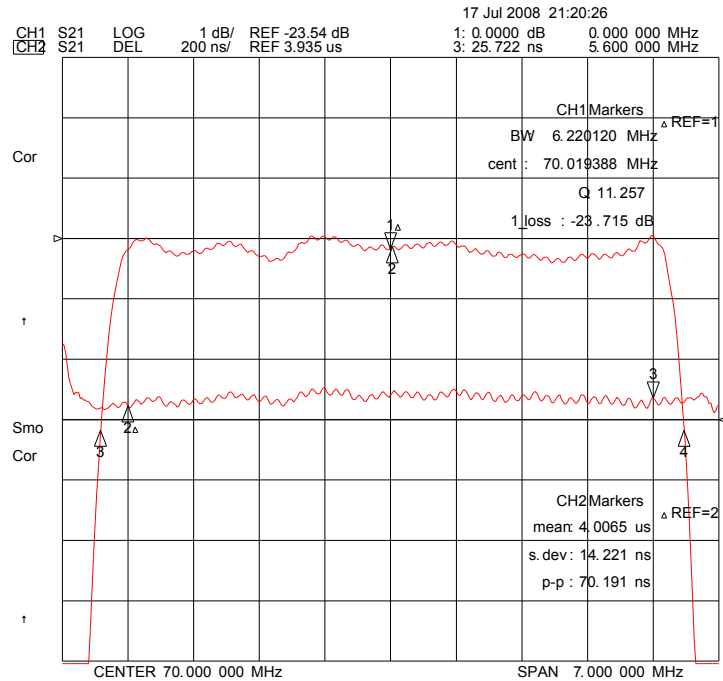
5) 2dB-Bandwidth

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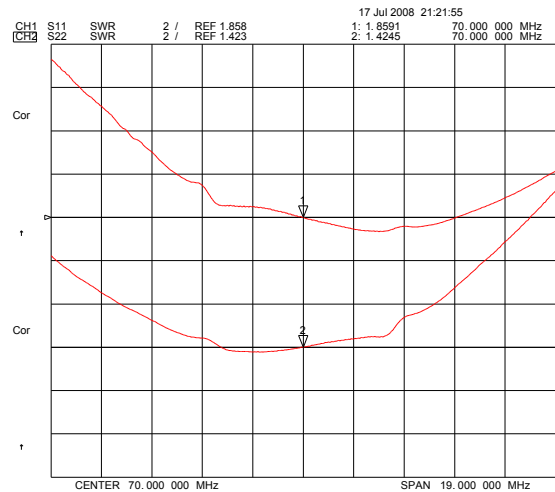
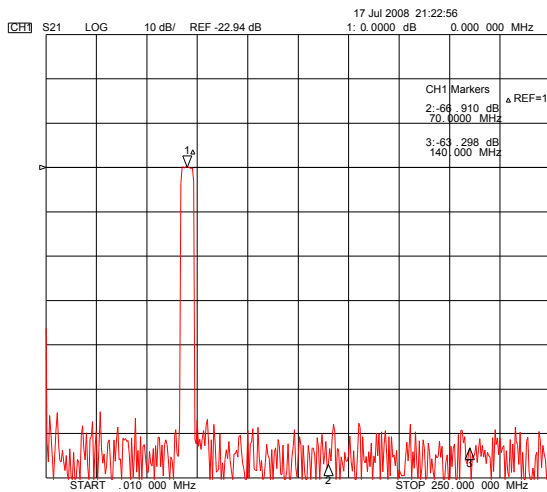
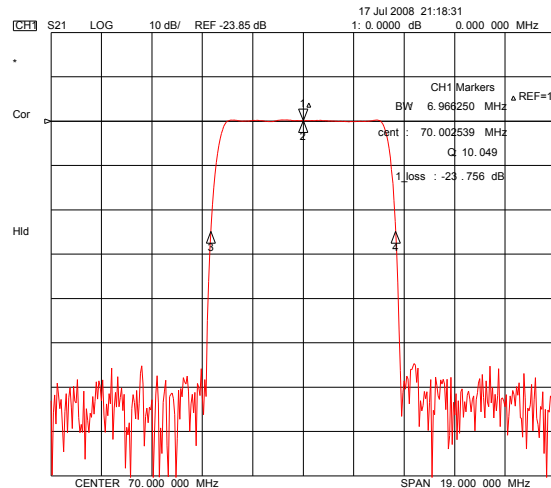
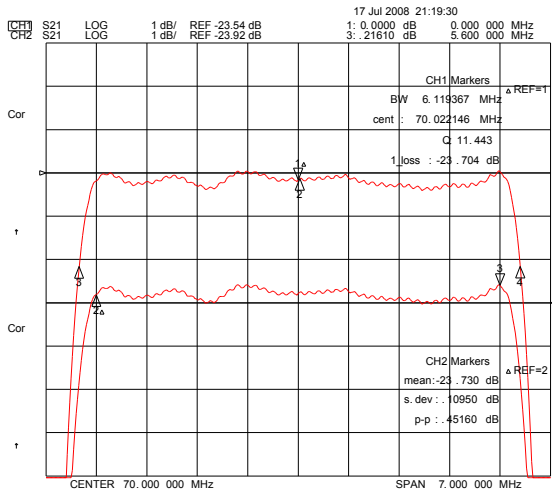
6. Typical Performance (at +25°C)



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