

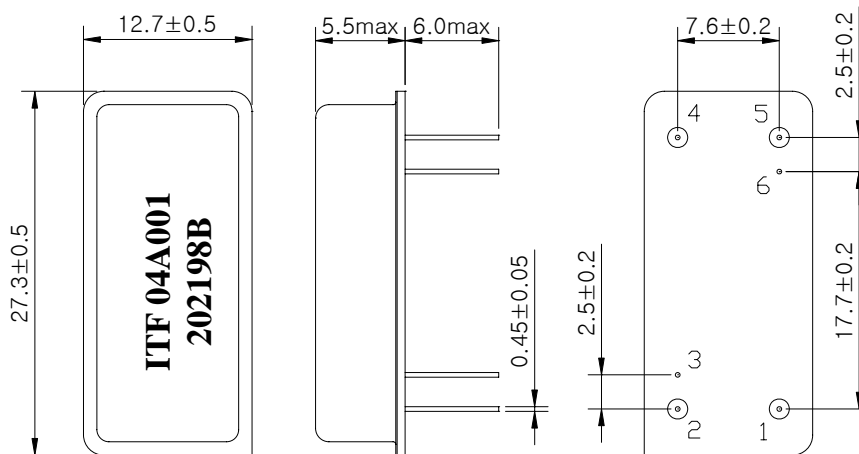
SAW Bandpass Filter 202198B



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 : D2712

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
Other	Case ground

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	202198B
		Rev. Date	2004-04-02
		Rev.	NW3010-CS02

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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	69.97	70.0	70.03
Insertion Loss	dB	-	18.2	20.0
1dB Bandwidth	MHz	-	0.17	-
3dB Bandwidth	MHz	0.25	0.28	-
40dB Bandwidth	MHz	-	0.86	0.95
Amplitude Ripple (Fo +/- 0.05 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo +/- 0.05 MHz)	nsec	-	300	400
Absolute Delay	usec	-	3.5	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C ²	-	-0.03	-

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⁾

202198B³⁾

1) Manufacturer name

2) Lot Number

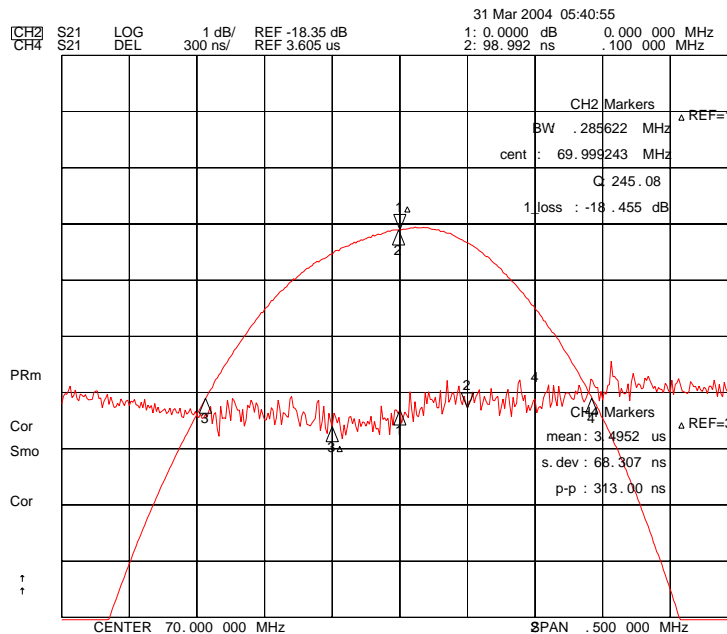
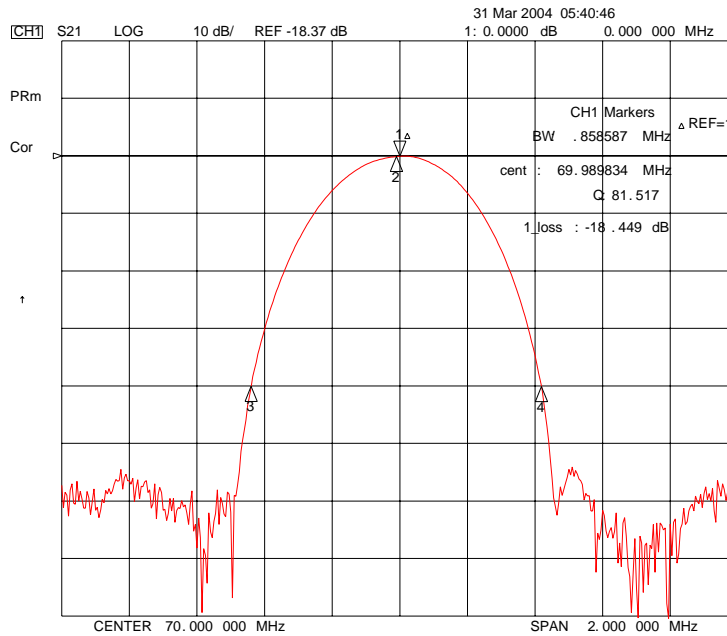
3) Part Number


 Integrated Technology Future	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	202198B
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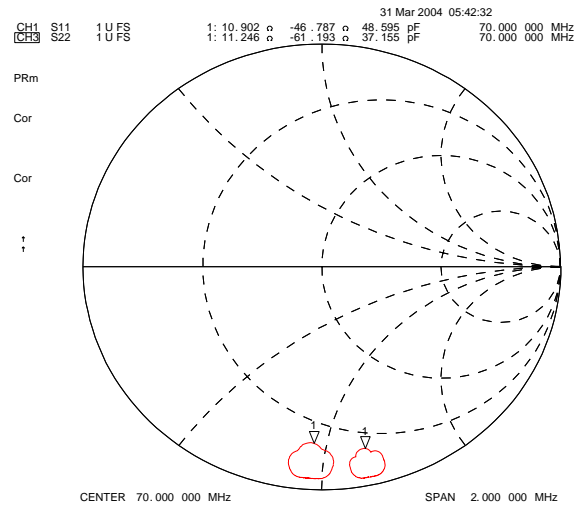
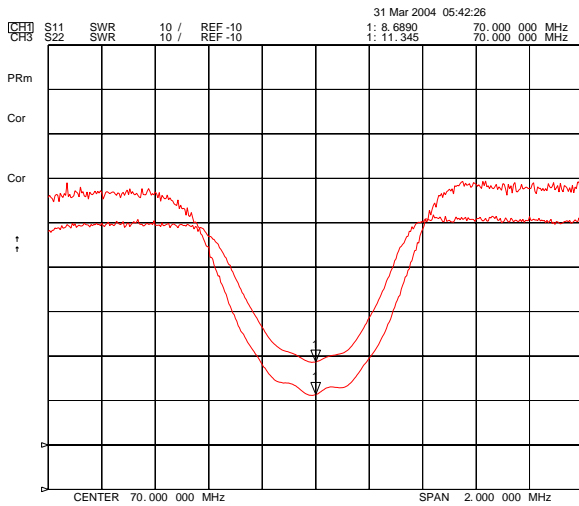
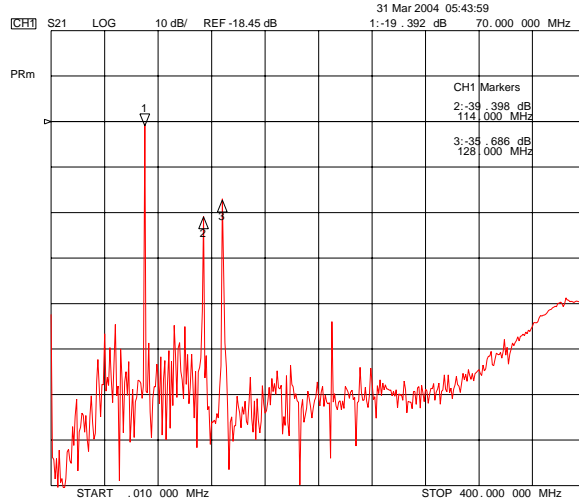
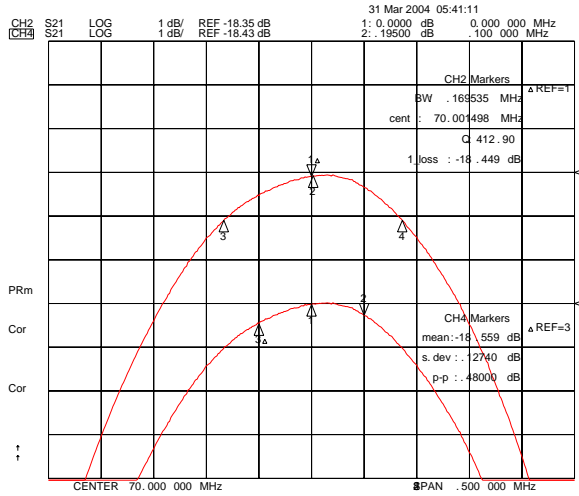


6. Typical Performance (at +25°C)



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