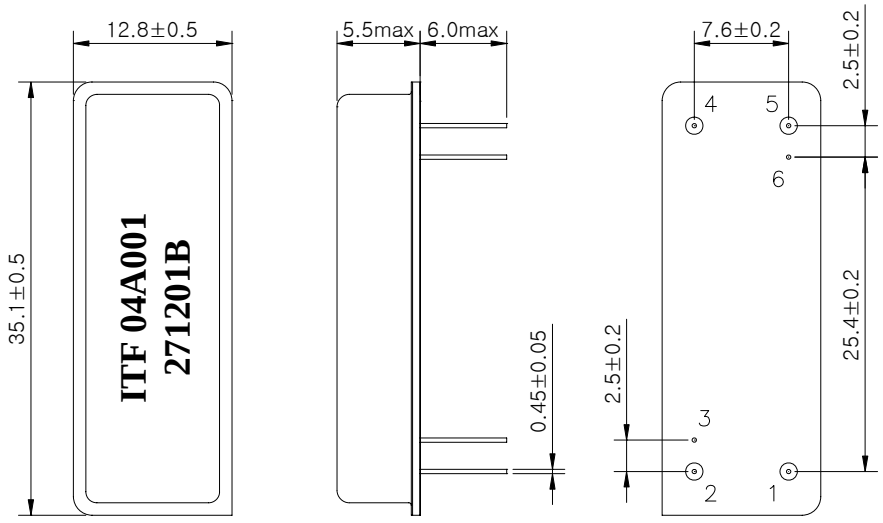
SAW Bandpass Filter 271201B

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

3. Specifications

Fo = 70.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

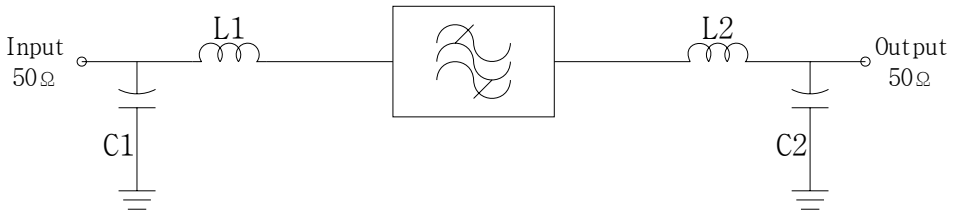
		Minimum	Typical	Maximum
Center Frequency	MHz	-	70.0	-
Insertion Loss	dB	-	24.5	26.0
3dB Bandwidth	MHz	12.9	12.93	13.1
40dB Bandwidth	MHz	-	13.7	14.0
Amplitude Ripple (Fo +/- 6.2 MHz)	dB	-	0.8	1.0
Group Delay Variation (Fo +/- 6.2 MHz)	nsec	-	50	150
Relative Attenuation				
30.000 to 62.935 MHz	dB	48	50	-
62.935 to 63.135 MHz	dB	38	42	-
76.865 to 77.065 MHz	dB	38	42	-
77.065 to 100.00 MHz	dB	48	50	-
Absolute Delay	nsec	-	3.43	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

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

4. Matching Schematic

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



L1 = 82 nH, L2 = 68 nH

C1 = C2 = 39 pF

5. Marking Configuration

ITF[1] 04A001[2]

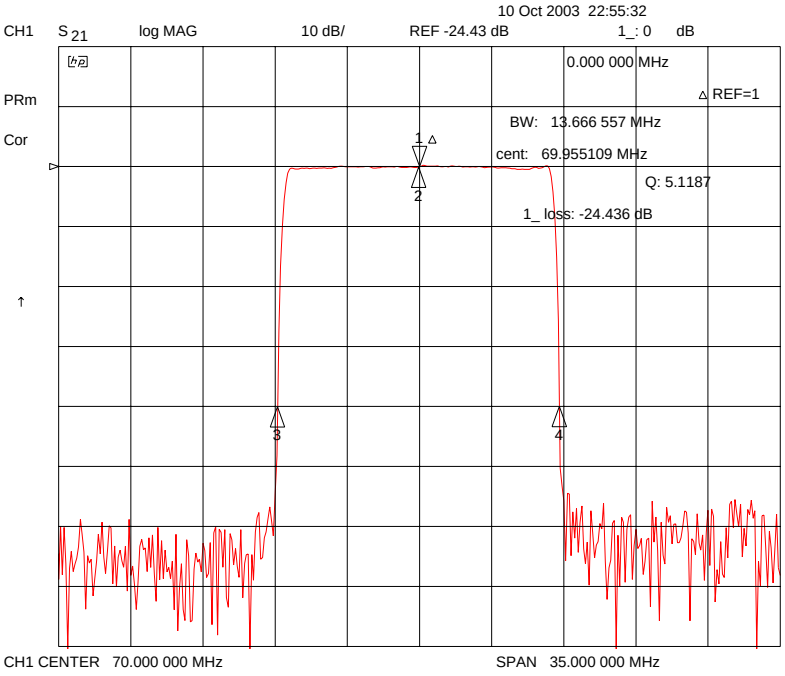
271201B[3]

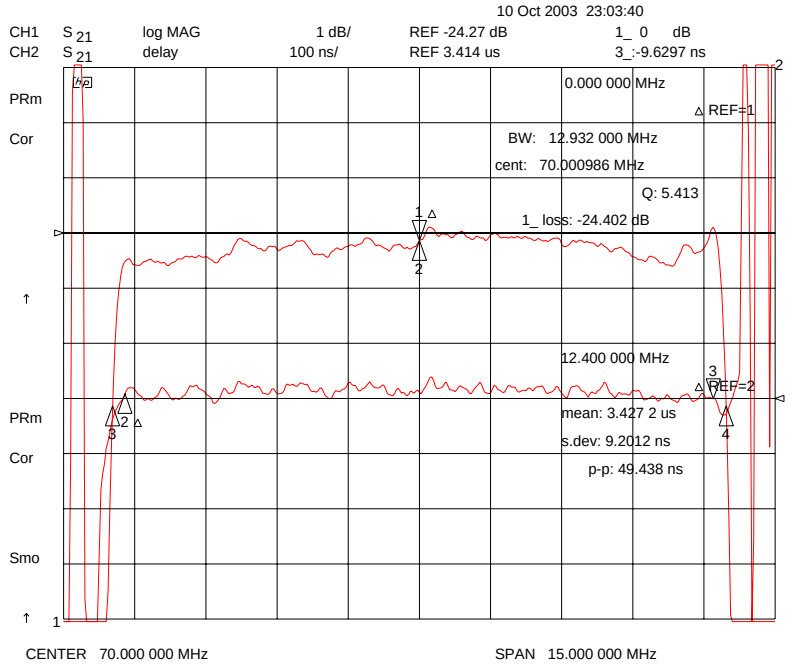
1) Manufacturer name

2) Lot Number

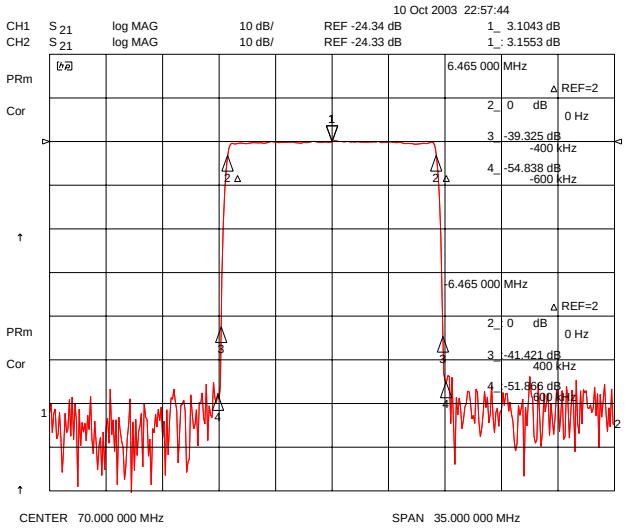
3) Part Number

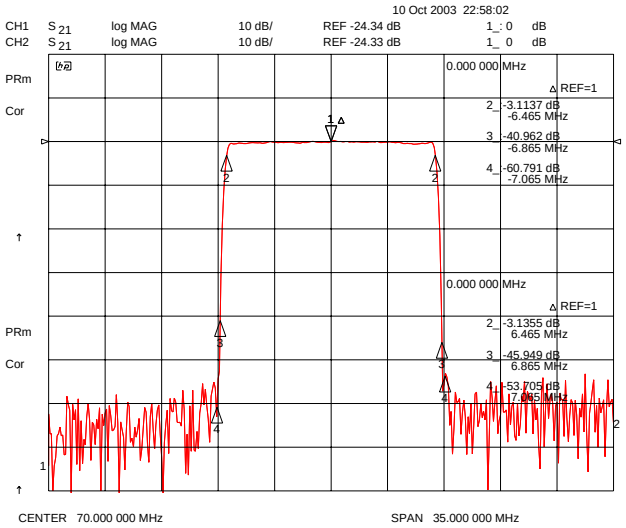
6. Typical Performance (at +25℃)

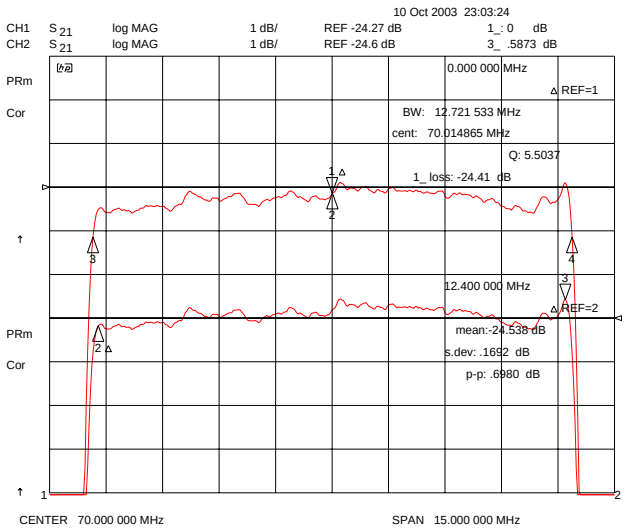


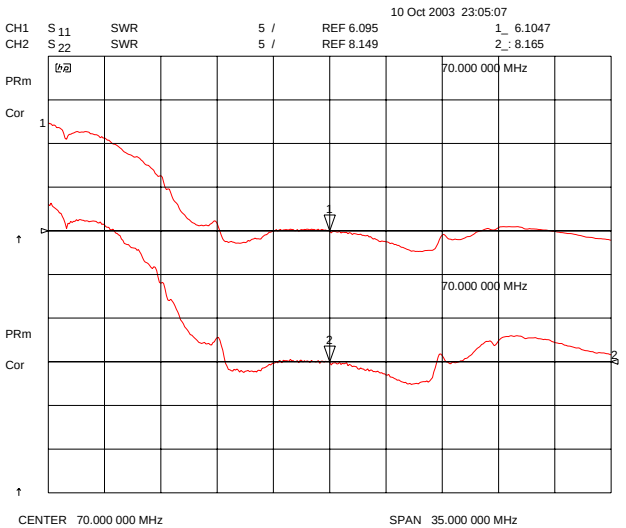


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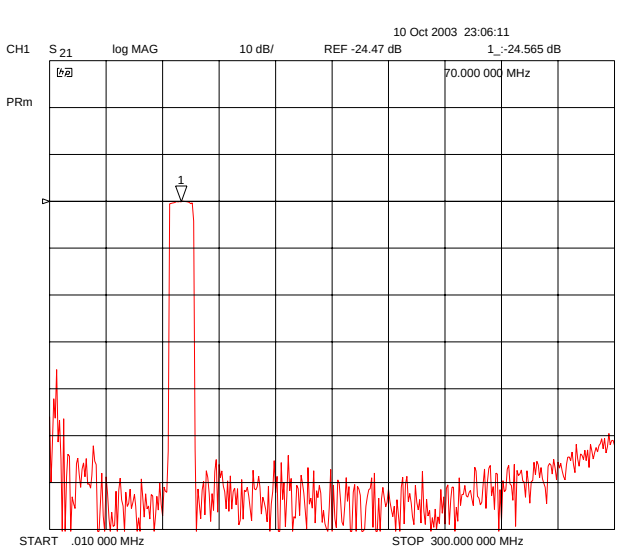


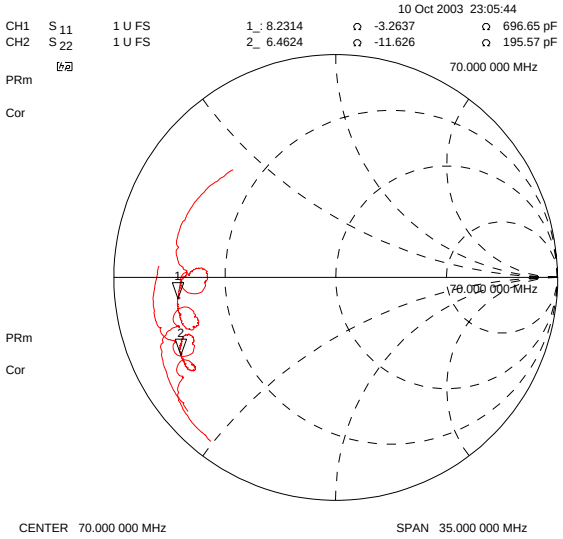




Integrated Technology Future	**I T F Co., Ltd.** 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyounggi-Do, Korea 421-809	Part No.	271201B	
		Rev. Date	2004-04-26	
		Rev.	NM3028-CS03	5/6

SAW Bandpass Filter 271201B





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