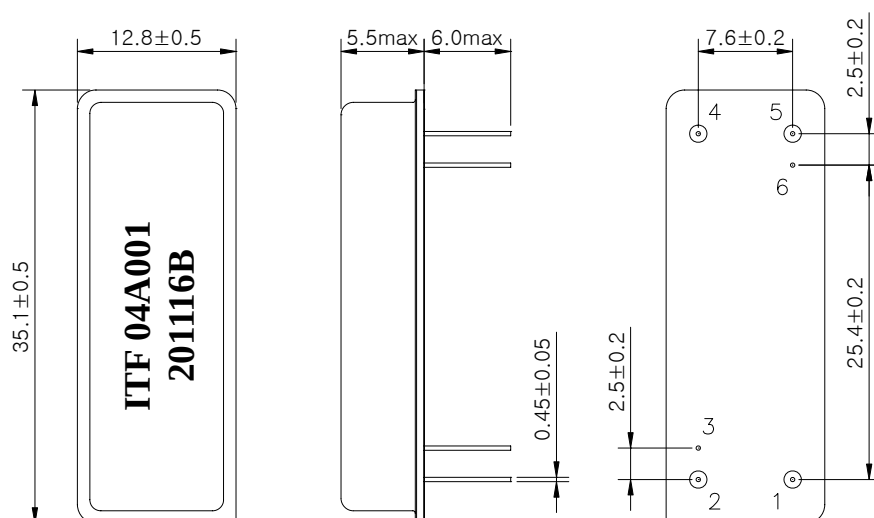


SAW Bandpass Filter 201116B

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

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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	-	23.5	25.0
1dB Bandwidth	MHz	-	4.2	-
3dB Bandwidth	MHz	4.3	4.5	-
40dB Bandwidth	MHz	-	5.7	5.95
Amplitude Ripple (Fo +/- 1.92 MHz)	dB	-	0.7	1.0
Group Delay Variation (Fo +/- 1.92 MHz)	nsec	-	100	200
Absolute Delay	usec	-	4.05	-
Ultimate Rejection	dB	50	55	-
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

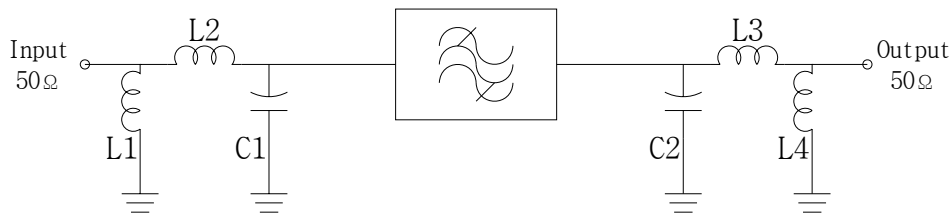
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4. Matching Schematic

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



$L2 = L3 = 56 \text{ nH}$

$L1 = L4 = 39 \text{ nH}$

$C1 = 10 \text{ pF}, \quad C2 = 20 \text{ pF}$

5. Marking Configuration

ITF¹⁾ 04A001²⁾
201116B³⁾

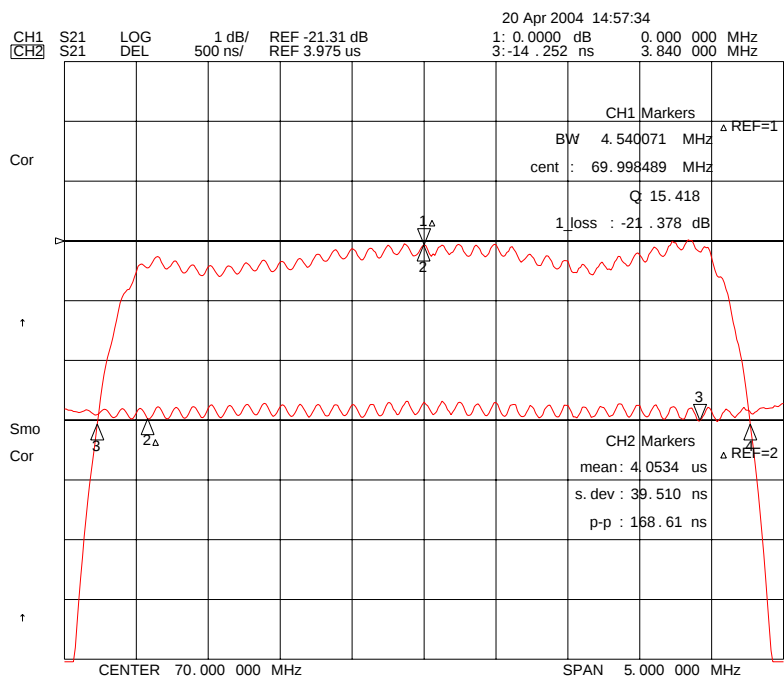
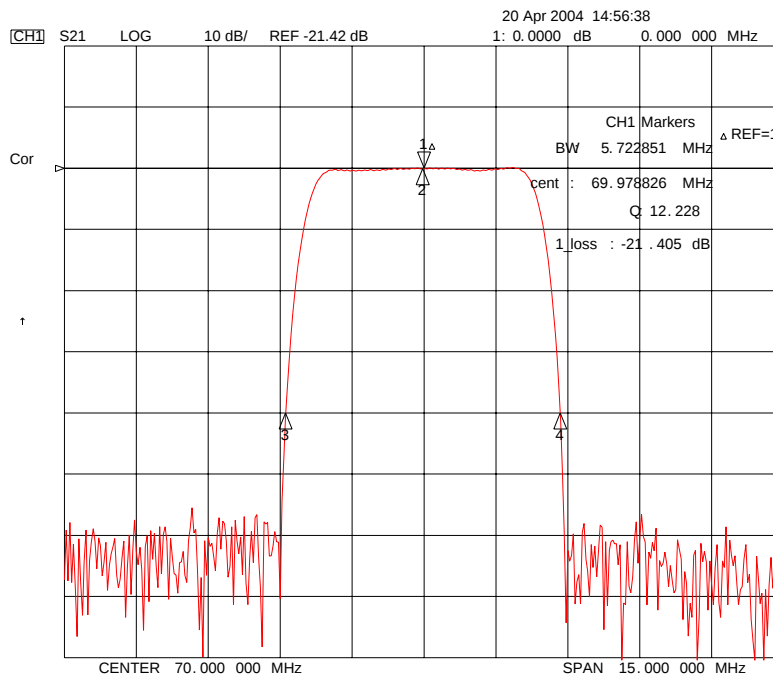
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

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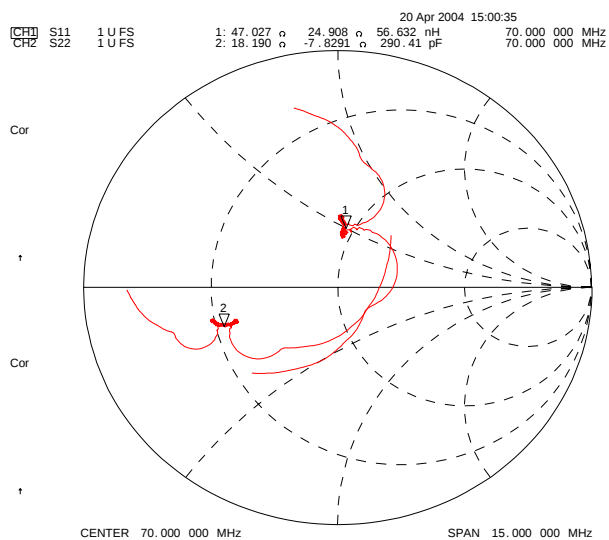
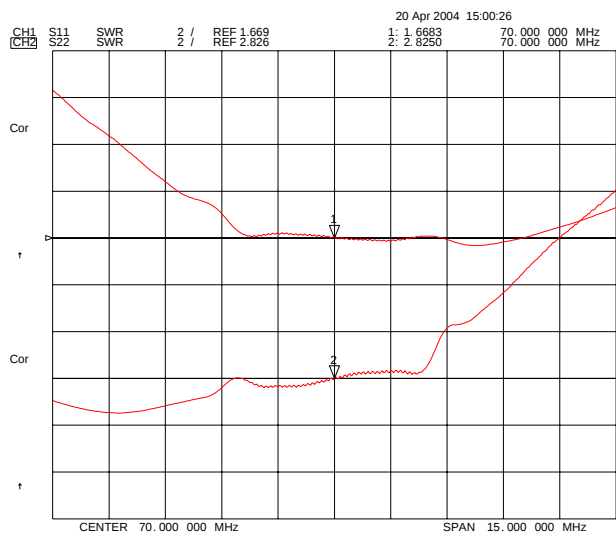
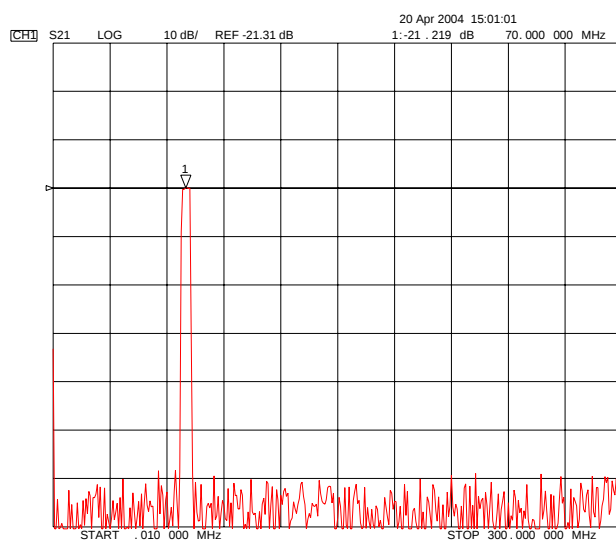
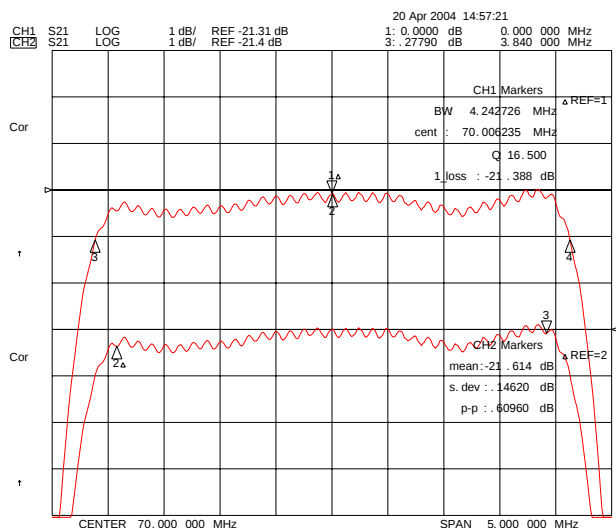


6. Typical Performance (at +25℃)



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Samjeong-Dong, Ojeong-Gu, Bucheon-City,
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Part No.

201116B

Rev. Date

2004-04-21

Rev.

NI0037-CS03

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