

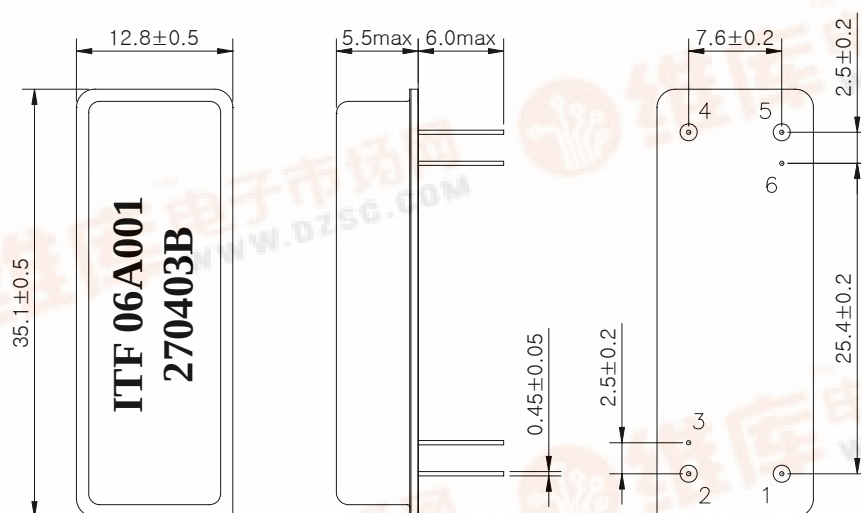
SAW Bandpass Filter 270403B



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

	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809		Part No.	270403B
			Rev. Date	2006-01-05
			Rev.	NM5025-CS01 1/5

SAW Bandpass Filter 270403B

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	69.94	70.0	70.06
Insertion Loss	dB	-	22.5	25.0
1dB Bandwidth	MHz	-	4.28	-
3dB Bandwidth	MHz	4.4	4.58	-
40dB Bandwidth	MHz	-	5.75	5.85
Amplitude Ripple (Fo +/- 1.9 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo +/- 1.9 MHz)	nsec	-	100	150
Absolute Delay	usec	-	3.76	-
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

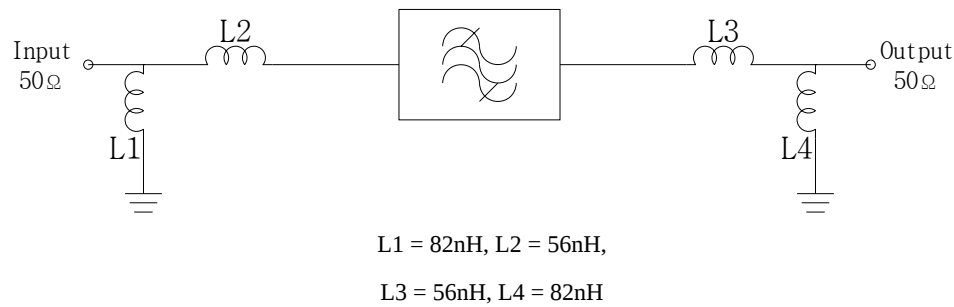
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		Rev.	NM5025-CS01	2/5

SAW Bandpass Filter 270403B



4. Matching Schematic

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



5. Marking Configuration

ITF¹⁾ 05A001²⁾
270403B³⁾

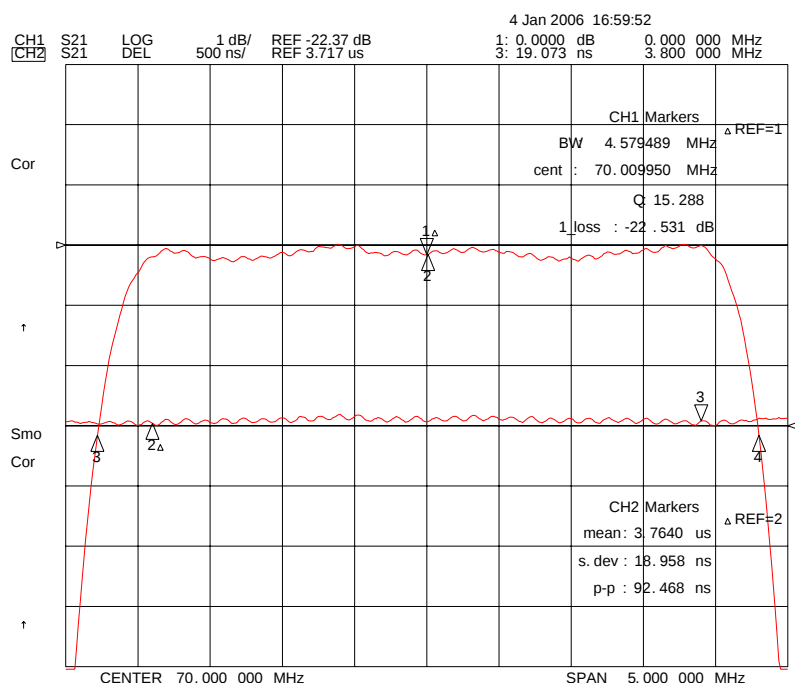
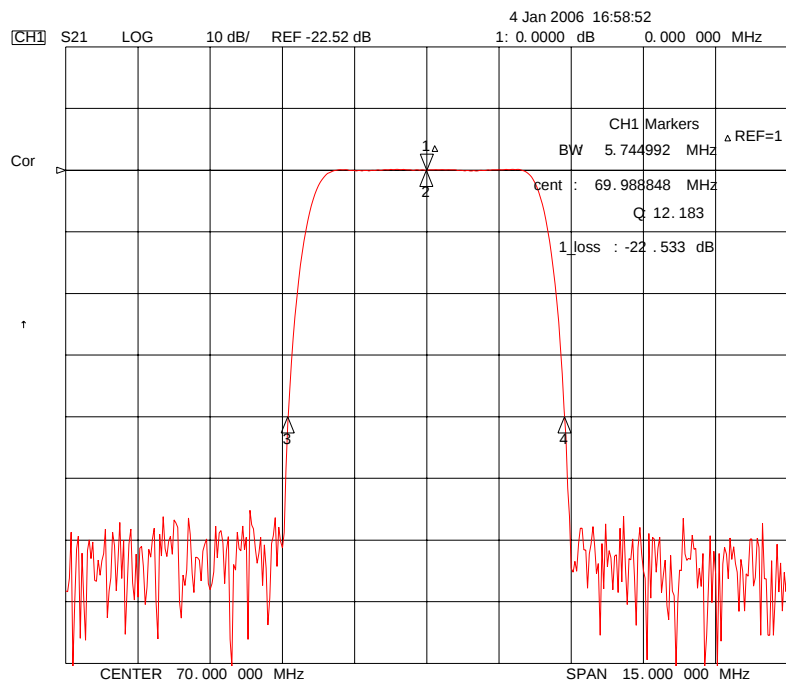
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

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SAW Bandpass Filter 270403B

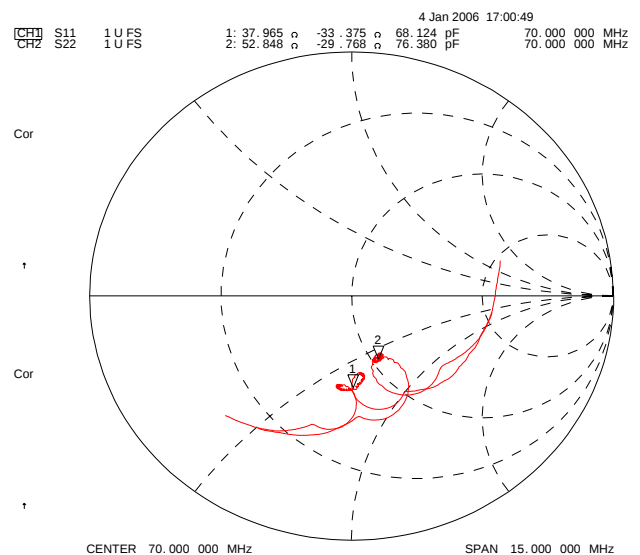
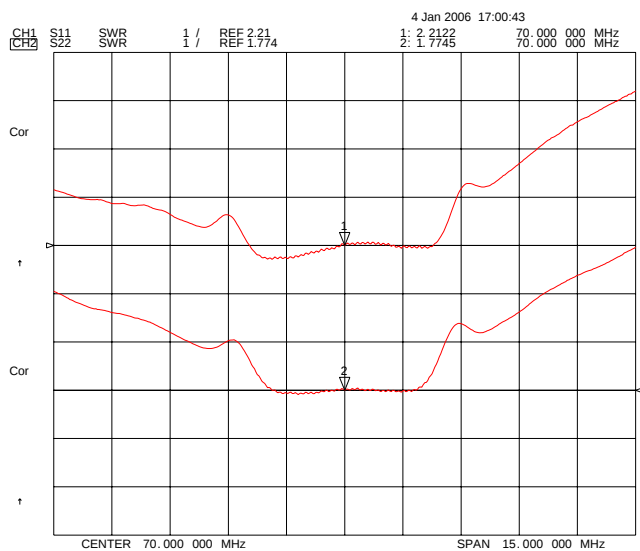
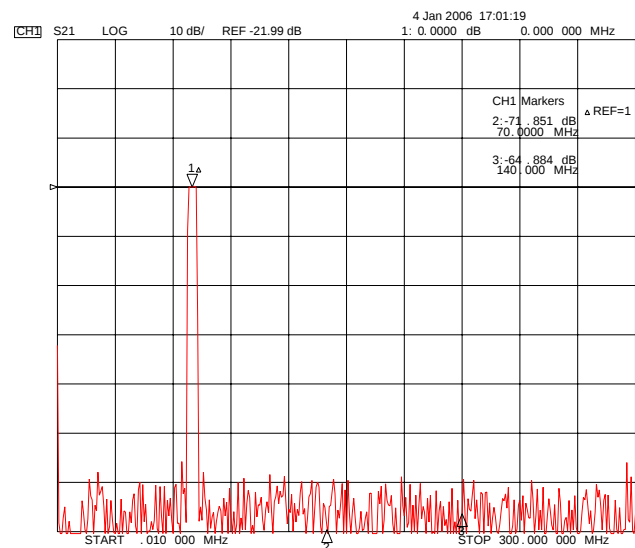
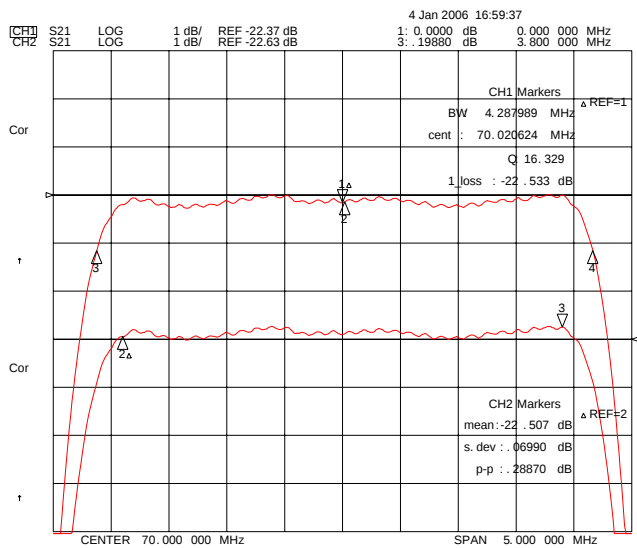


6. Typical Performance (at +25℃)



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			Rev. NM5025-CS01	4/5

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			Rev.		NM5025-CS01	5/5