

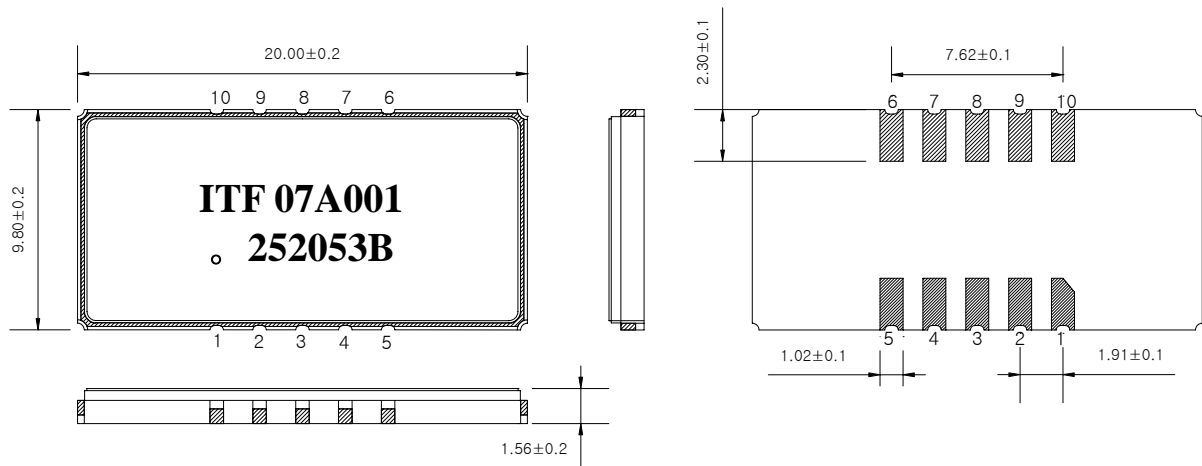
SAW Bandpass Filter 252053B



1. Features

- IF bandpass filter
- High attenuation
- Single-ended operation
- SMD Package
- Maximum Storage Temperature Range : -40 °C ~ 85 °C
- Electrostatics Sensitive Device (ESD)

2. Package Dimension



Package : S2098

Dimensions shown are nominal in millimeters

Body : Al₂O₃ Ceramic

Lid : Kovar, Ni Plated

Terminations : Au plating 0.3 ~ 1.0 um, Over a 1.27 ~ 8.89 um Ni Plating

Pin Configuration	
10	Input
5	Output
1, 4	Ground
Others	Case ground



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 102-901, Bucheon Technopark 364,
 Samjeong-Dong, Ojeong-Gu, Bucheon-City,
 Gyeonggi-Do, Korea 421-809

Part No. 252053B

Rev. Date 2007-10-22

Rev. NM7040-CS01 1/5

SAW Bandpass Filter 252053B



3. Specifications

F₀ = 120.13 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	120.13	-
Insertion Loss	dB	-	24.8	26.0
1dB Bandwidth	MHz	20.0	20.25	-
3dB Bandwidth	MHz	-	20.56	-
40dB Bandwidth	MHz	-	21.83	22.0
Amplitude Ripple (F ₀ +/- 9.75 MHz)	dB	-	0.46	1.0
Group Delay Variation (F ₀ +/- 9.75 MHz)	nsec	-	40	70
Absolute Delay	usec	-	2.26	-
Ultimate Rejection	dB	50	55	-
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

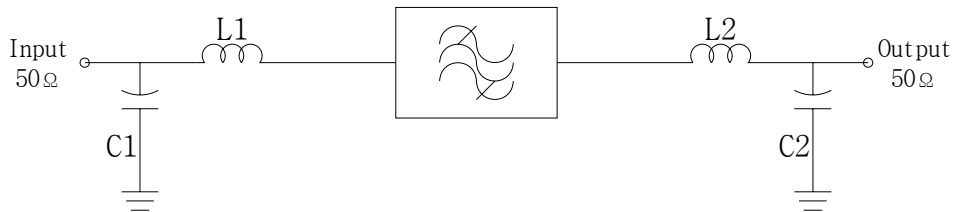
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		Rev. Date	2007-10-22	
		Rev.	NM7040-CS01	2/5

SAW Bandpass Filter 252053B



4. Matching Schematic

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



L1 = 47nH, L2 = 47nH

C1 = 30pF, C2 = 30pF

5. Marking Configuration


ITF¹⁾ 07A001²⁾

252053B³⁾

1) Manufacturer name

2) Lot Number

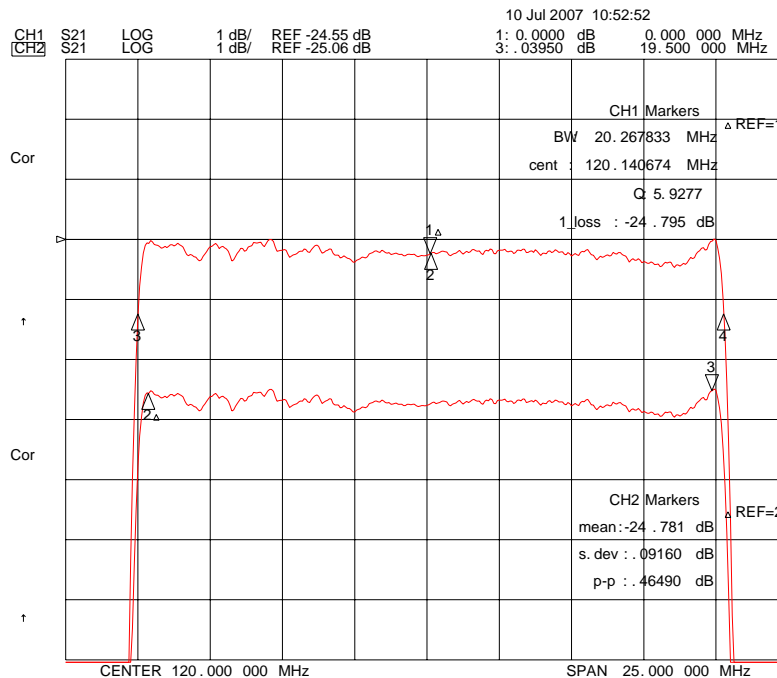
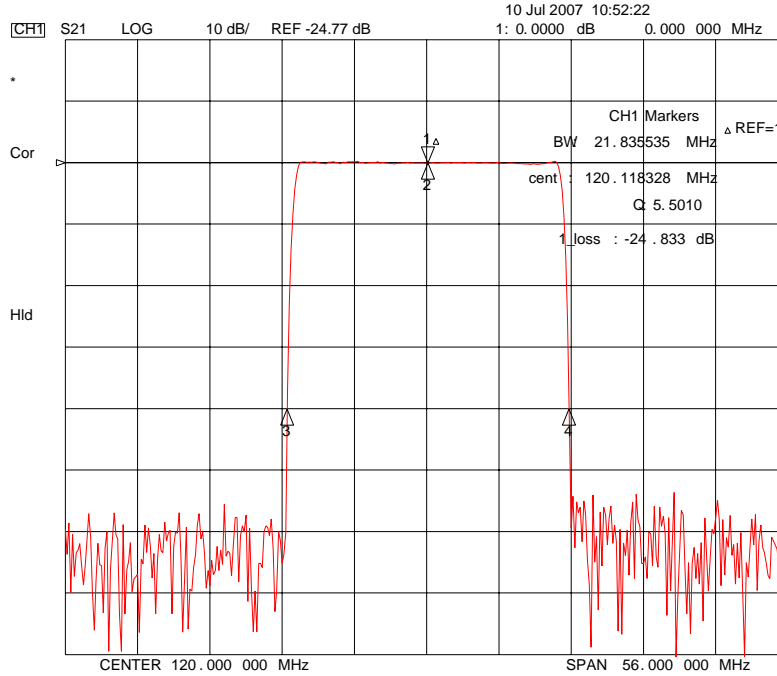
3) Part Number

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		Rev. Date	2007-10-22	
		Rev.	NM7040-CS01	3/5

SAW Bandpass Filter 252053B



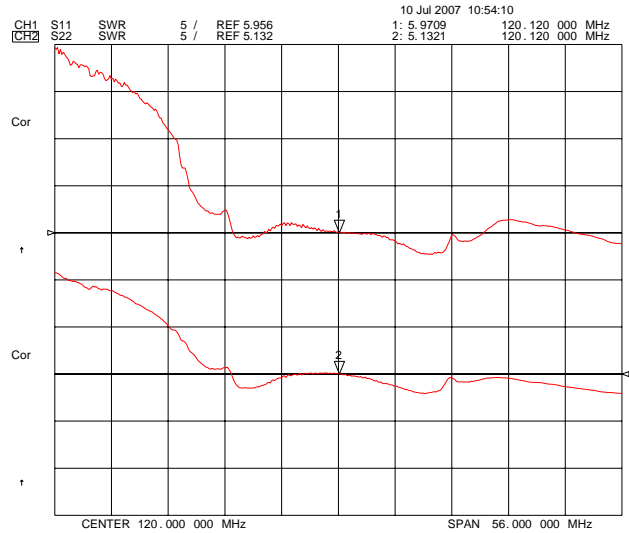
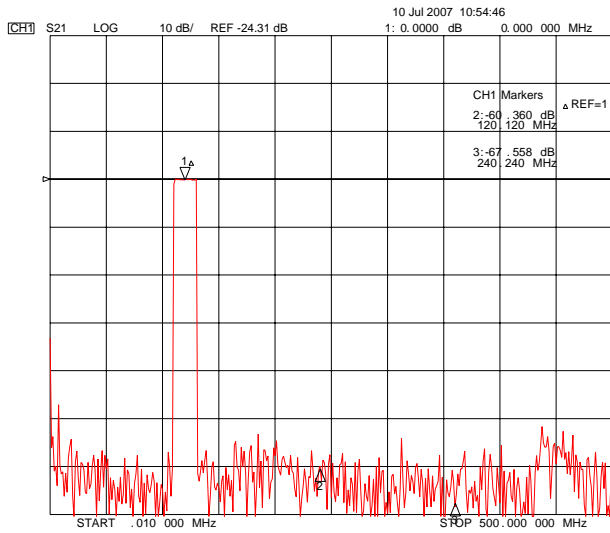
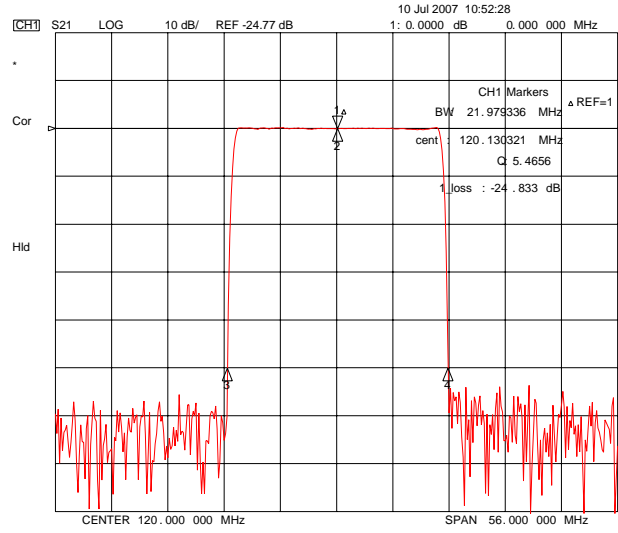
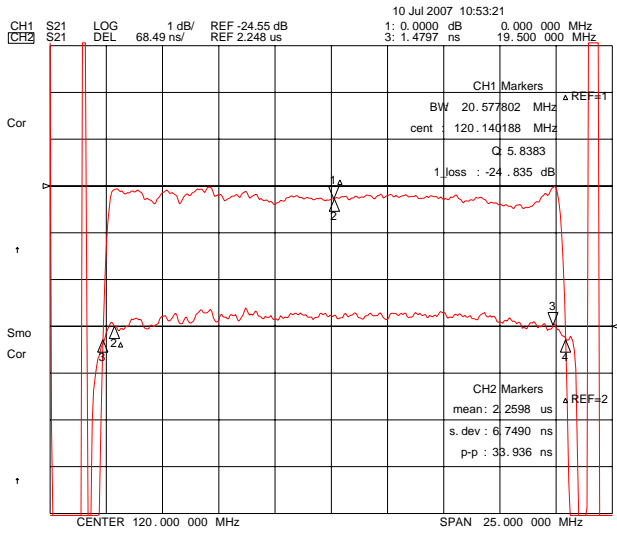
6. Typical Performance (at +25°C)



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Part No.	252053B	
Rev. Date	2007-10-22	
Rev.	NM7040-CS01	4/5

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Rev. Date	2007-10-22	
Rev.	NM7040-CS01	5/5