

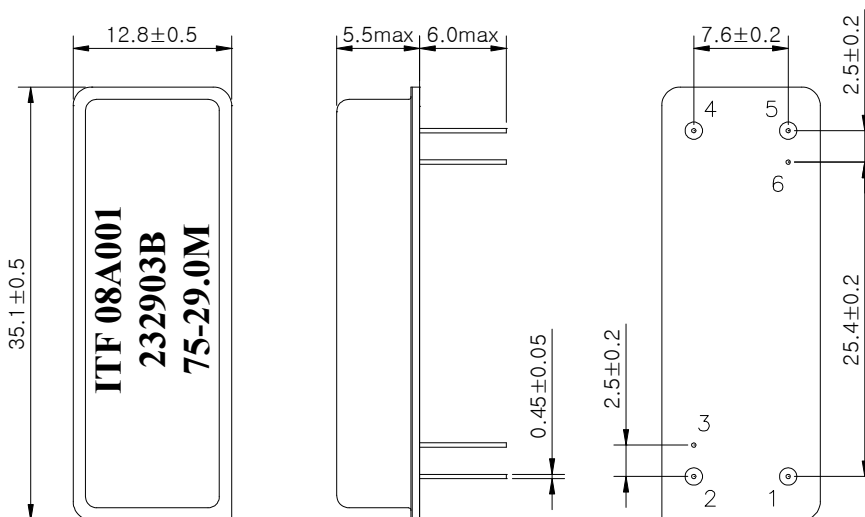
SAW Bandpass Filter 232903B



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

Part No.	232903B	
Rev. Date	2008-12-11	
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3. Specifications

Fo = 75.0 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	75.0	-
Insertion Loss	dB	-	29.8	31.5
1dB Bandwidth	MHz	28.9	29.02	-
3dB Bandwidth	MHz	-	29.22	-
50dB Bandwidth	MHz	-	30.12	30.2
Amplitude Ripple (fo ± 14.38MHz)	dB	-	0.65	1.0
Group Delay Variation (fo ± 14.38MHz)	nsec	-	40	80
Absolute Delay	usec	-	3.35	-
Ultimate Rejection	dB	-	50	-
Out of band gain				
Fo ± 15.1MHz	dB	-	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

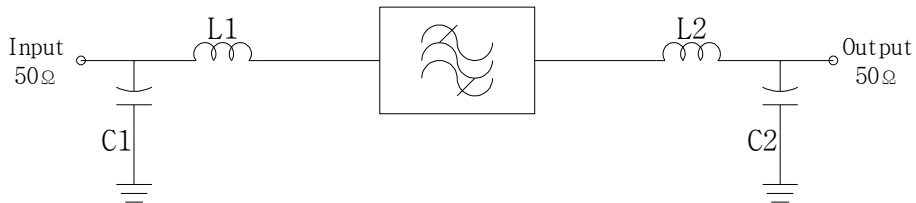
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4. Matching Schematic

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



L1 = 150nH, L2 = 120nH

C1 = 22pF, C2 = 20pF

5. Marking Configuration

ITF¹⁾ 08A001²⁾

232903B³⁾

75⁴⁾ -29.0M⁵⁾


1) Manufacturer name

2) Lot Number

3) Part Number

4) Center Frequency

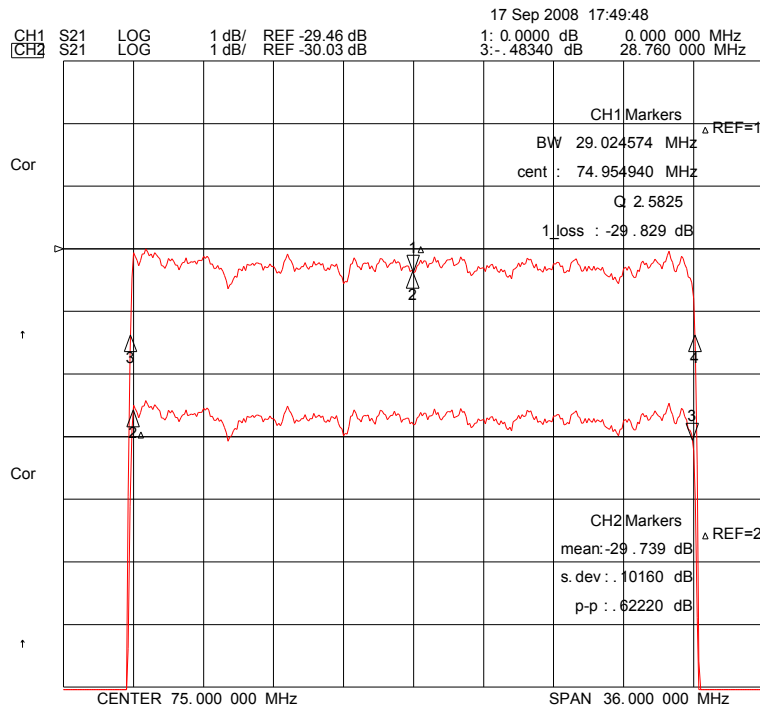
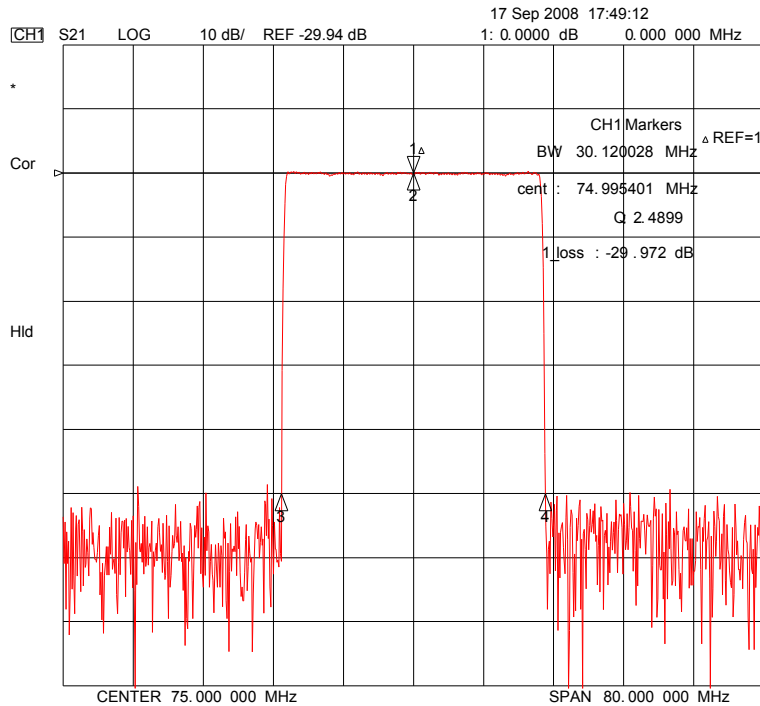
5) 1dB-Bandwidth

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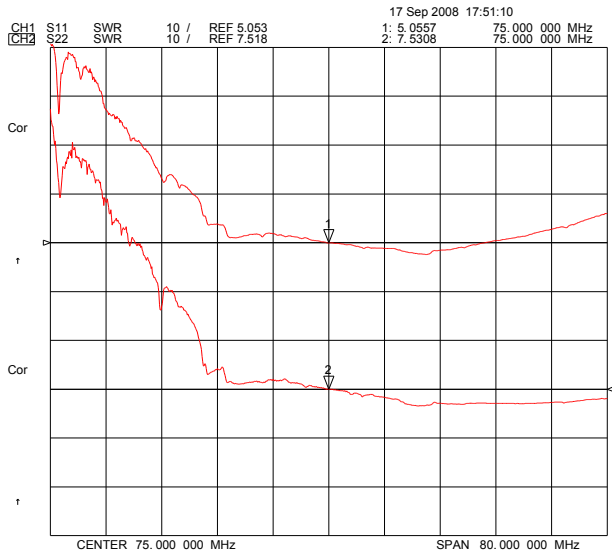
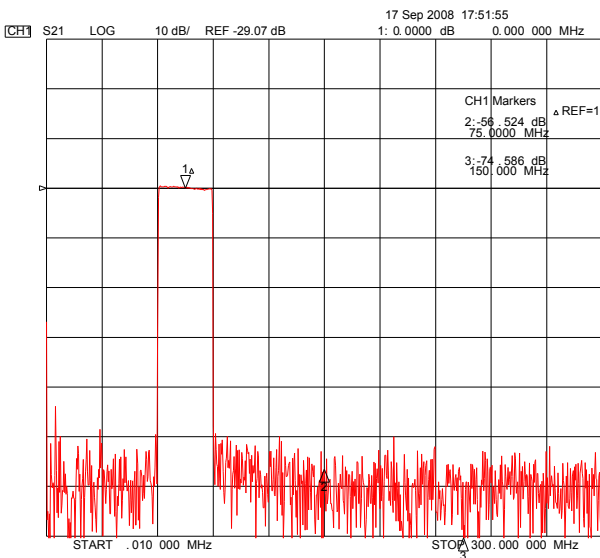
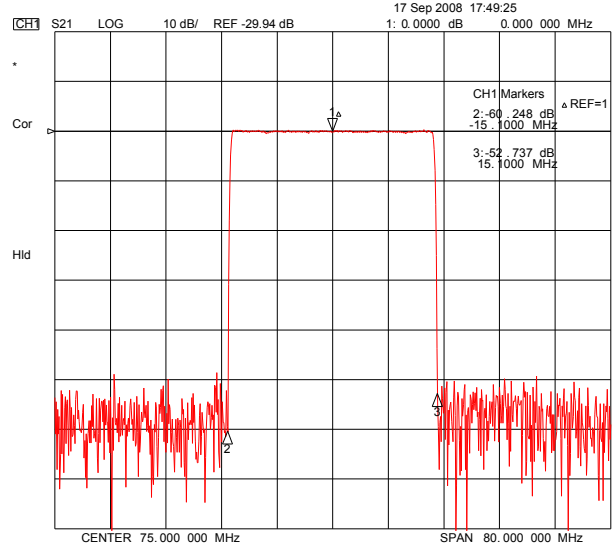
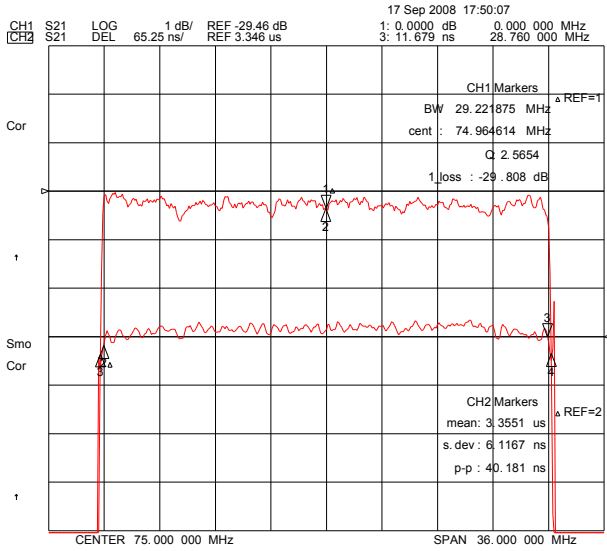
6. Typical Performance (at +25°C)



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