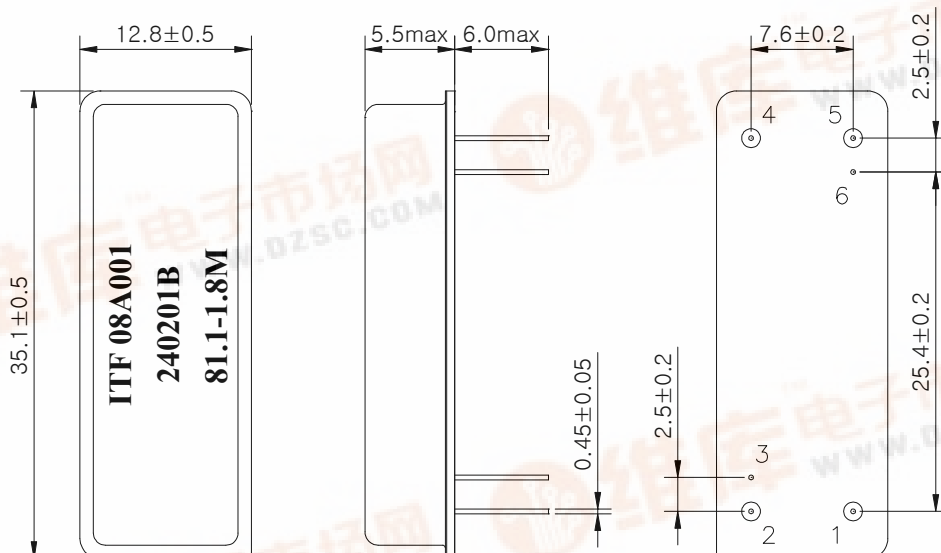


SAW Bandpass Filter 240201B

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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		Rev. Date	2008-11-13	
		Rev.	NW8032-CS01	1/5

SAW Bandpass Filter 240201B

3. Specifications

Fo = 81.1 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	81.1	-
Insertion Loss	dB	-	23.0	25.0
1dB Bandwidth	MHz	1.8	1.85	-
3dB Bandwidth	MHz	-	2.0	-
20dB Bandwidth	MHz	-	2.47	2.6
40dB Bandwidth	MHz	-	2.7	2.8
Amplitude Ripple (Fo +/- 0.8 MHz)	dB	-	0.3	1.0
Group Delay Variation (Fo +/- 0.8 MHz)	nsec	-	135	250
Absolute Delay	usec	-	3.46	-
Ultimate Rejection	dB	50	55	-
Relative Attenuation				
fo+/-900KHz+/-400KHz	dB	20	27	-
Temperature Coefficient of Frequency	ppm/°C ²	-	-0.03	-

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

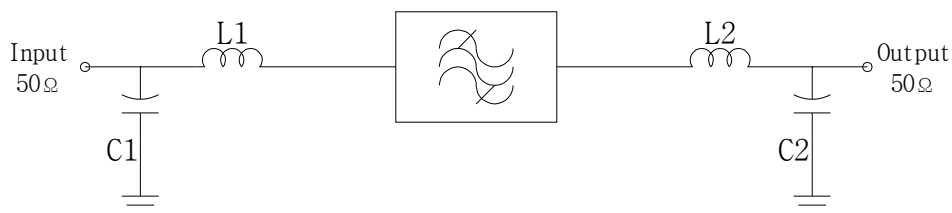
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		Rev. Date	2008-11-13	
		Rev.	NW8032-CS01	2/5

SAW Bandpass Filter 240201B



4. Matching Schematic

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



$$L1 = L2 = 220 \text{ nH}$$

$$C1 = C2 = 47 \text{ pF}$$

5. Marking Configuration

ITF¹⁾08A001²⁾

240201B³⁾

81.1⁴⁾-1.8M⁵⁾

1) Manufacturer name

2) Lot Number

3) Part Number

4) Center Frequency

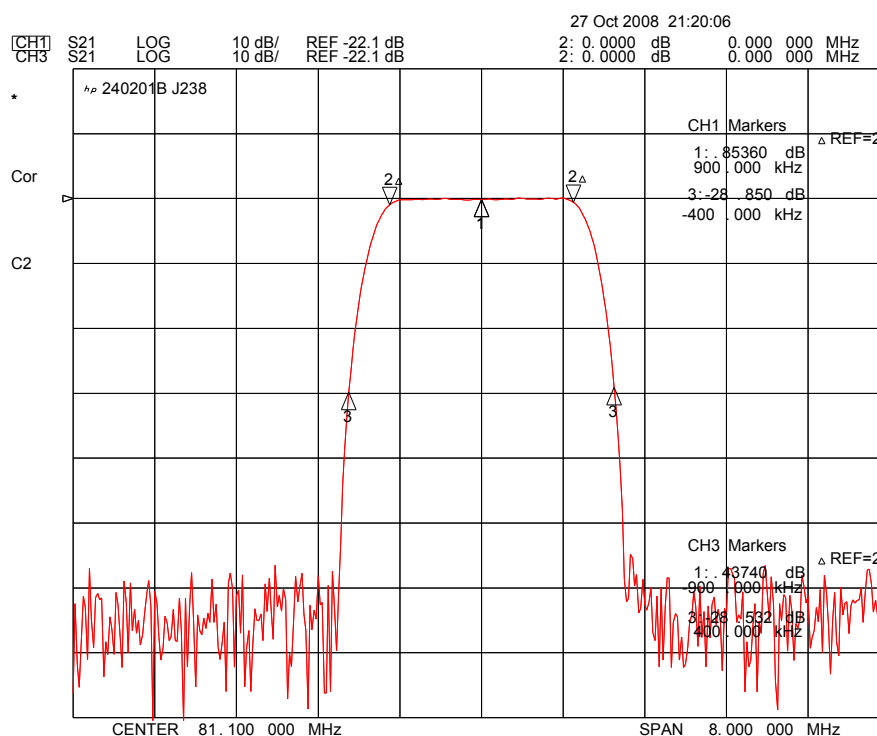
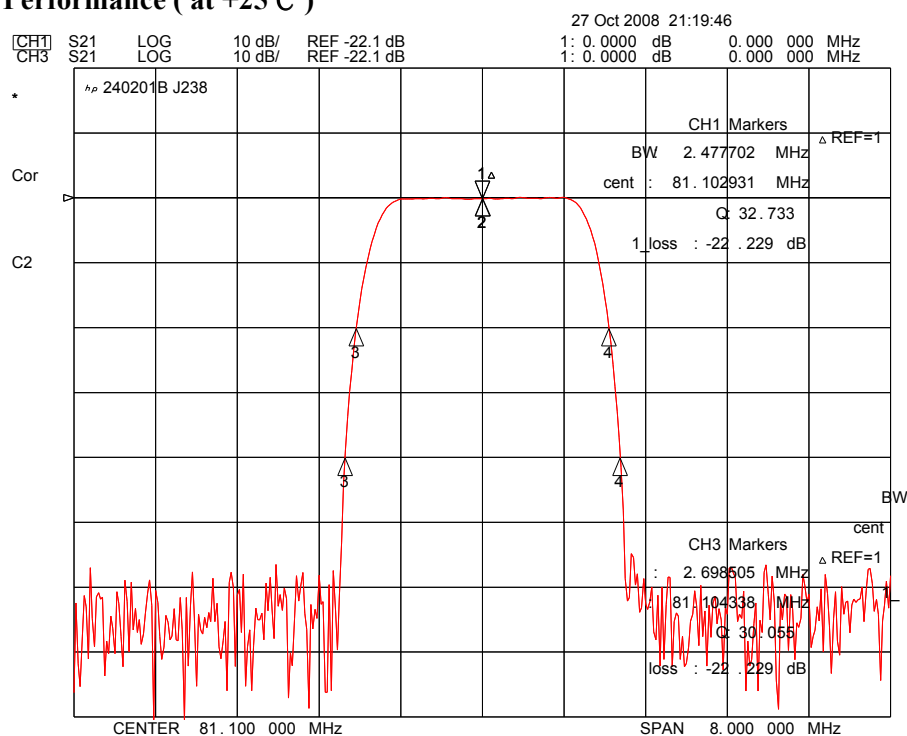
5) 1dB-Bandwidth

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		Rev. Date	2008-11-13	
		Rev.	NW8032-CS01	3/5

SAW Bandpass Filter 240201B

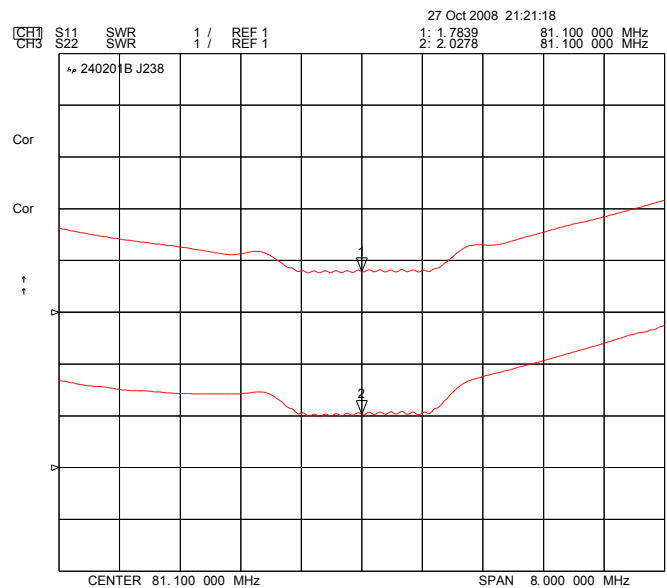
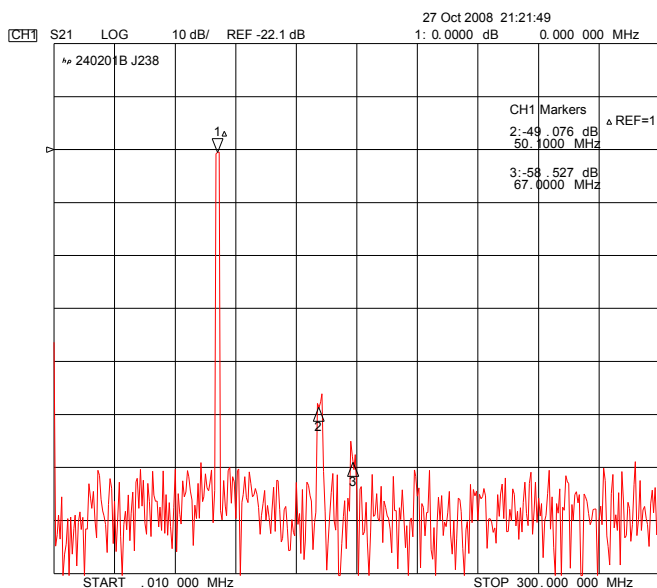
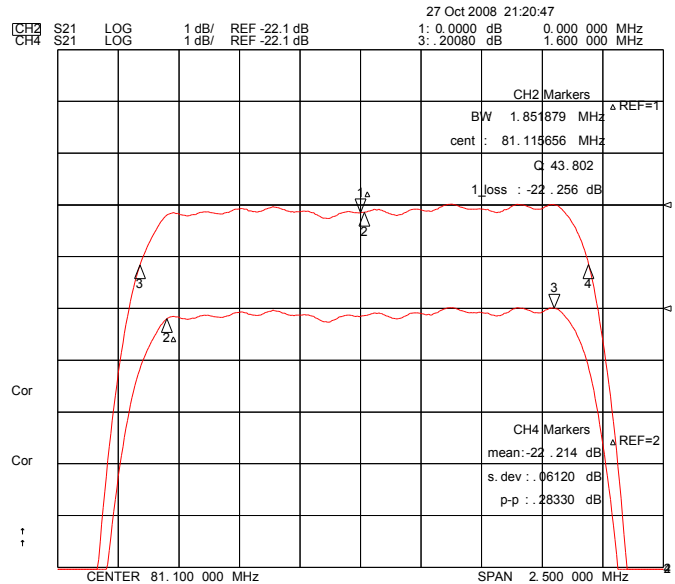
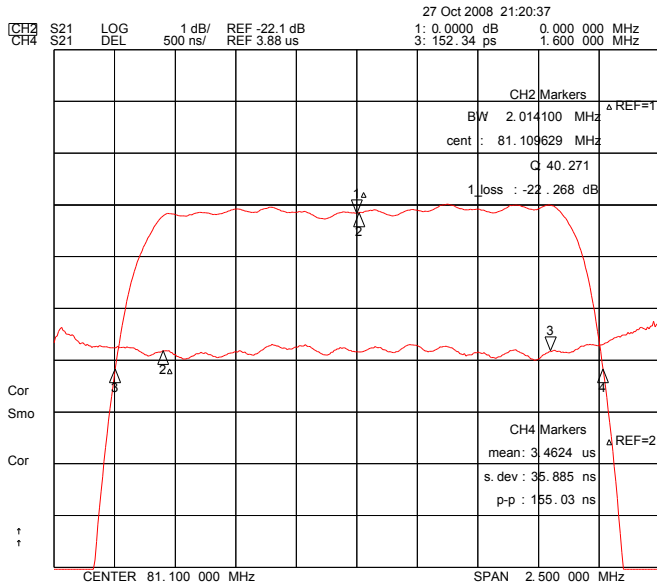


6. Typical Performance (at +25℃)



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		Rev. Date	2008-11-13	
		Rev.	NW8032-CS01	4/5

SAW Bandpass Filter 240201B



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NW8032-CS01

5/5