

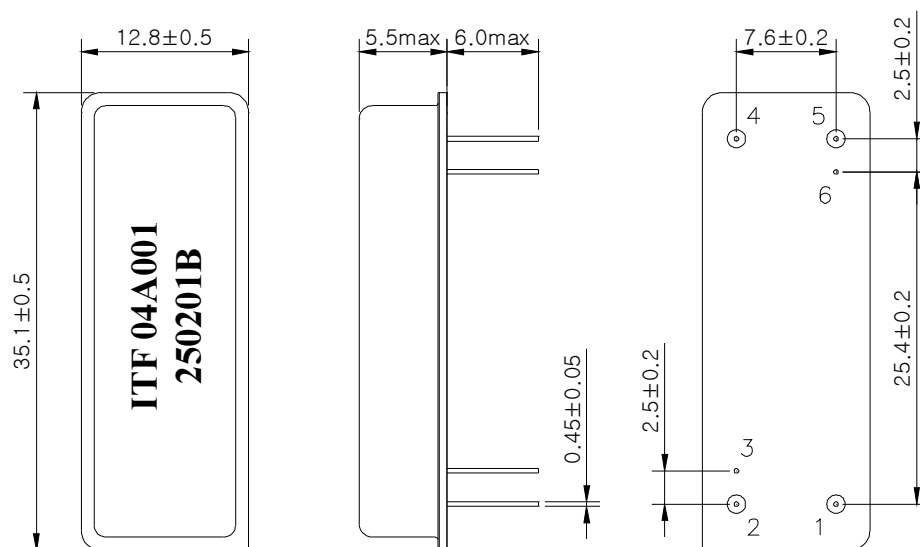
SAW Bandpass Filter 250201B



1. Features

- IF bandpass filter
- High attenuation
- Single-ended operation
- DIP Package
- Maximum Storage Temperature Range : -40 °C ~ 85 °C
- 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
4	Output
2, 5	Ground
Other	Case ground

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3. Specifications

Fo = 160 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

Operating temperature range : -10℃ ~ +60℃		Minimum	Typical	Maximum
Center Frequency	MHz	159.92	160	160.08
Insertion Loss	dB	-	22.1	25.5
1dB Bandwidth	MHz	2.5	2.68	-
3dB Bandwidth	MHz	2.7	2.8	-
40dB Bandwidth	MHz	-	3.35	3.45
Amplitude Ripple (Fo +/- 1.23 MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo +/- 1.23 MHz)	nsec	-	200	400
Absolute Delay	usec	-	4.8	-
Ultimate Rejection	dB	45	50	-
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
- 3) Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances
- 4) All attenuation measurements are measured relative to insertion loss

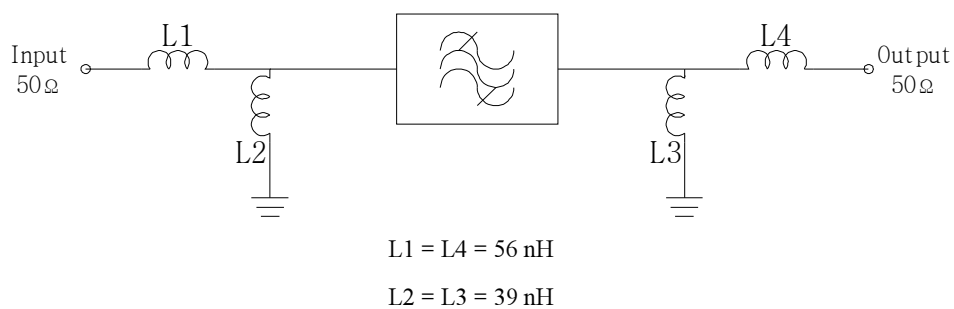
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4. Matching Schematic

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



5. Marking Configuration

ITF¹⁾ 04A001²⁾
250201B³⁾

1) Manufacturer name

2) Lot Number

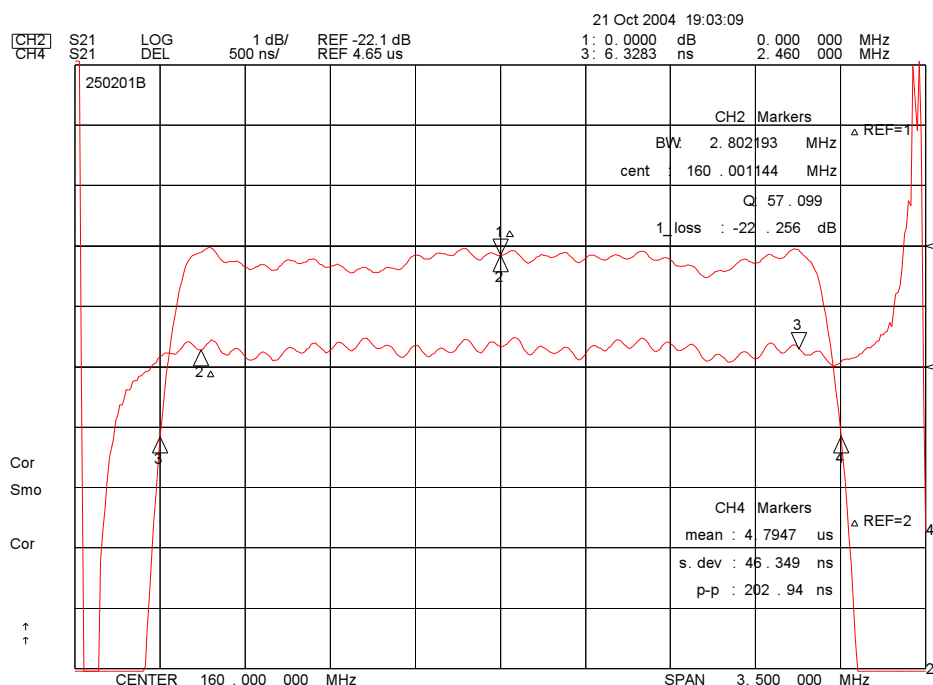
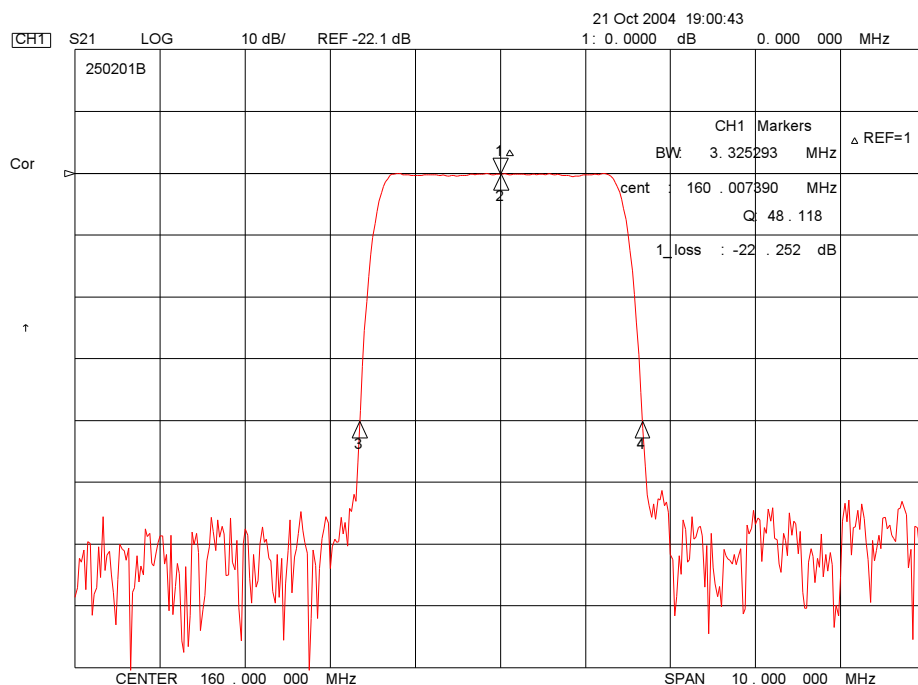
3) Part Number

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6. Typical Performance (at +25℃)



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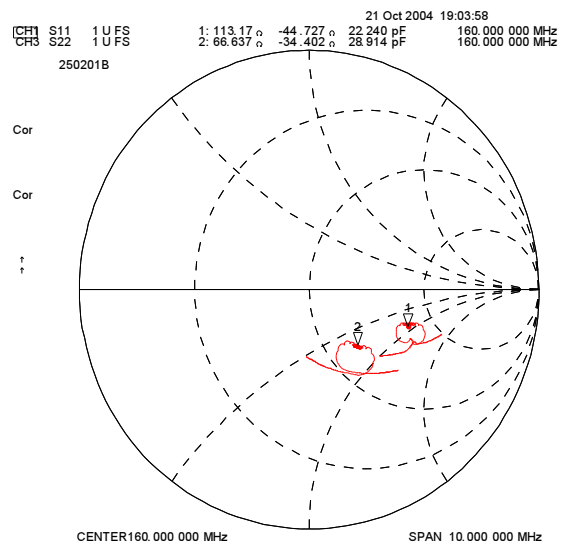
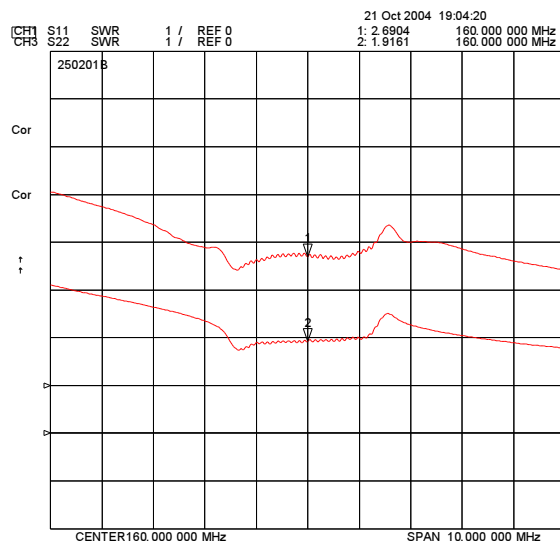
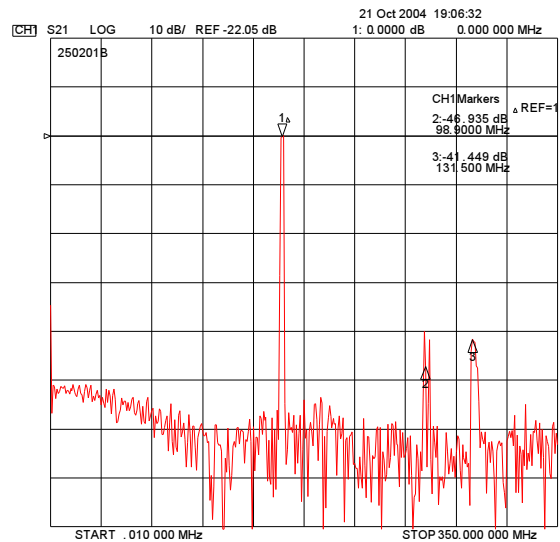
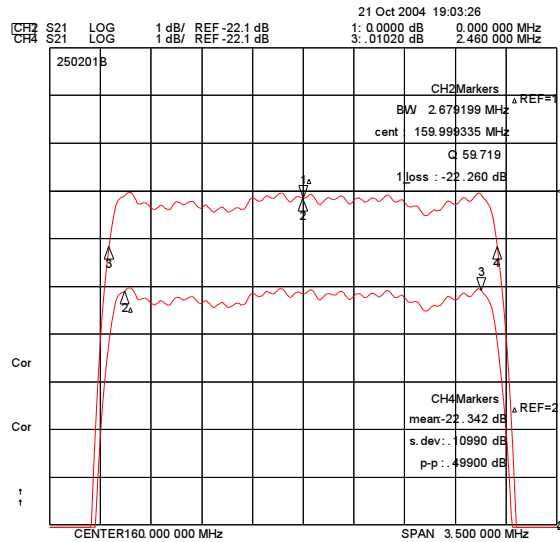
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