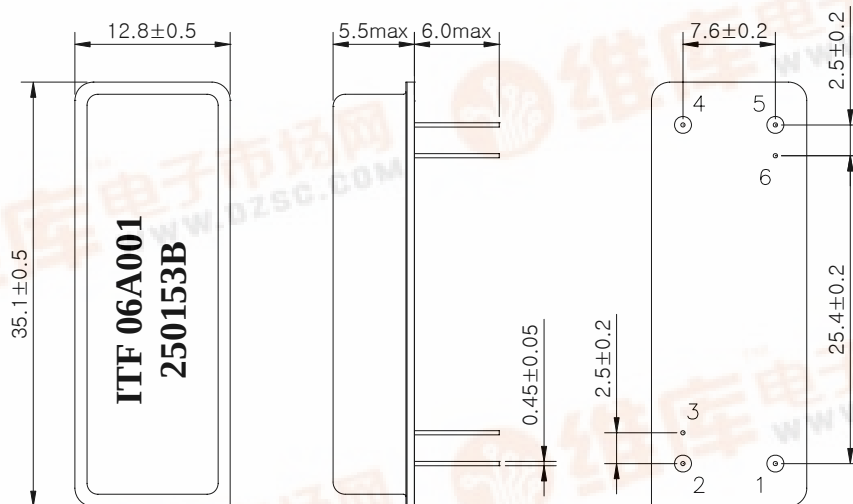


SAW Bandpass Filter 250153B

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
4	Output
2, 5	Ground
3, 6	Case ground

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3. Specifications

Fo = 115.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	115.0	-
Insertion Loss	dB	-	23.0	25.0
1dB Bandwidth	MHz	1.6	1.67	-
3dB Bandwidth	MHz	-	1.85	-
40dB Bandwidth	MHz	-	2.59	2.7
Amplitude Ripple (Fo +/- 0.65 MHz)	dB	-	0.4	1.0
Group Delay Variation (Fo +/- 0.65 MHz)	nsec	-	125	200
Absolute Delay	usec	-	3.73	3.8
Ultimate Rejection	dB	50	55	
Temperature Coefficient of Frequency	ppm/°C ²	-	-0.03	-

Notes :

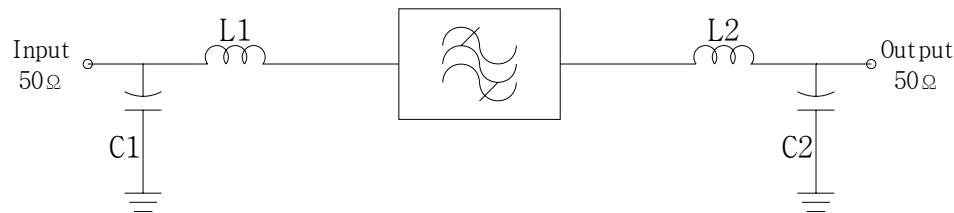
- 1) All specifications are based on the matching schematic shown below
- 2) All specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature
- 3) All attenuation measurements are measured relative to insertion loss

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4. Matching Schematic

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



L1 = 82 nH, L2 = 68 nH
C1 = 47 pF, C2 = 43 pF

5. Marking Configuration

ITF¹⁾ 06A001²⁾
250153B³⁾

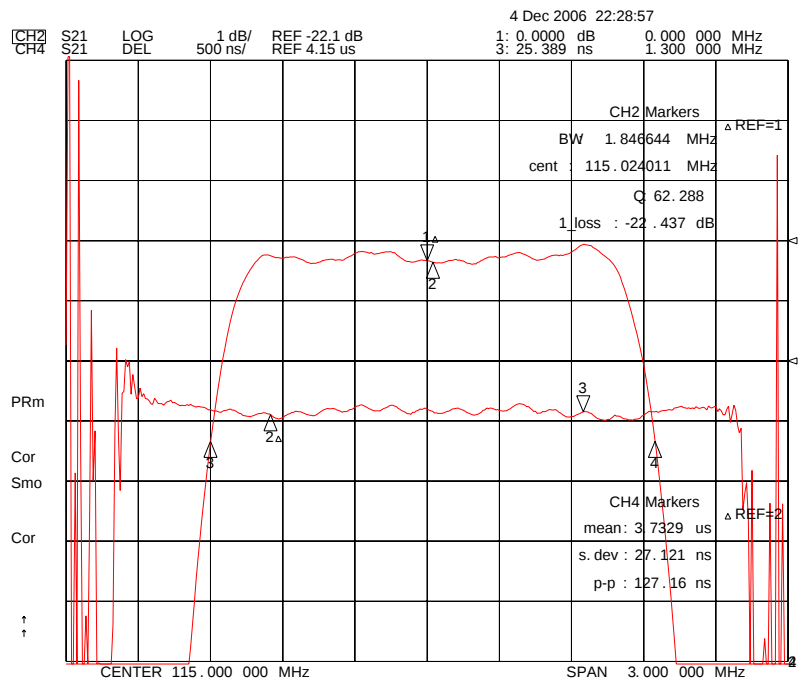
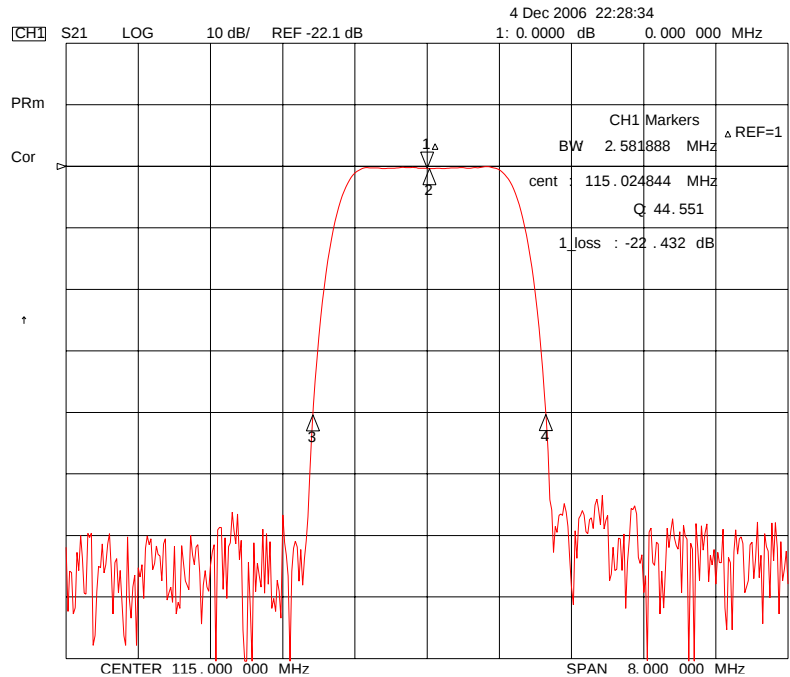
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

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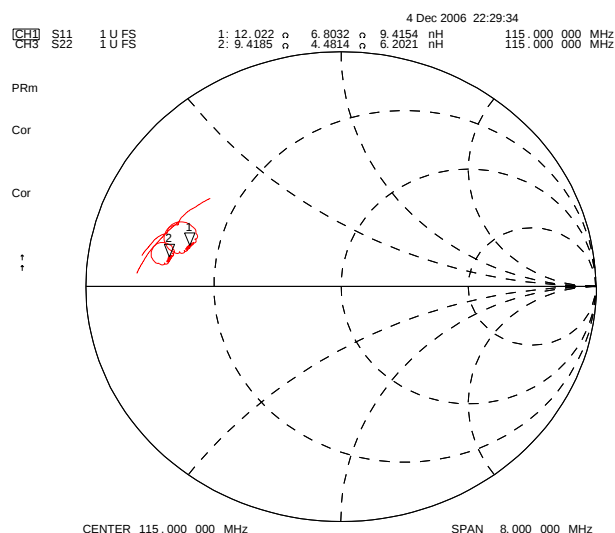
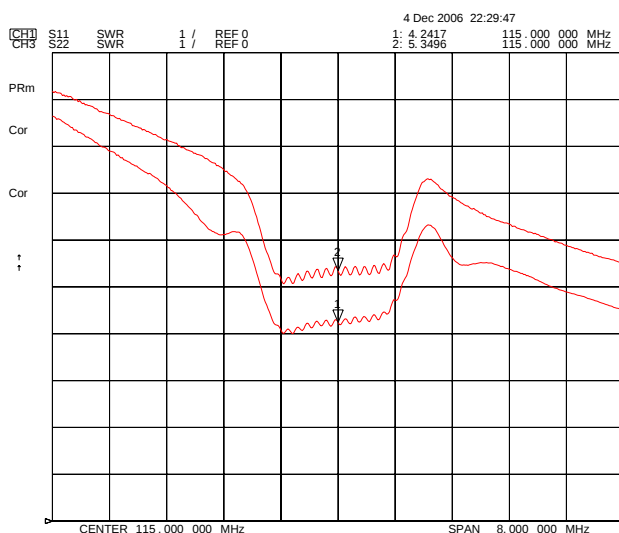
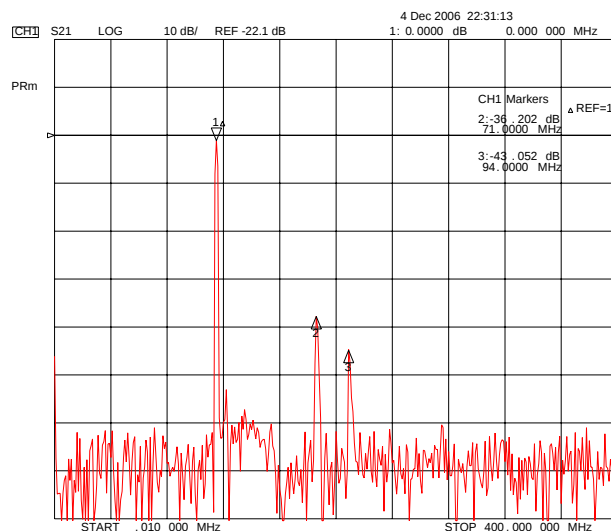
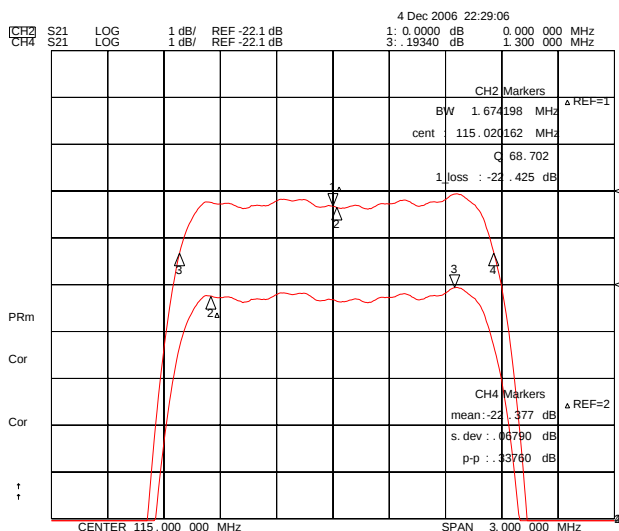


6. Typical Performance (at +25℃)



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