

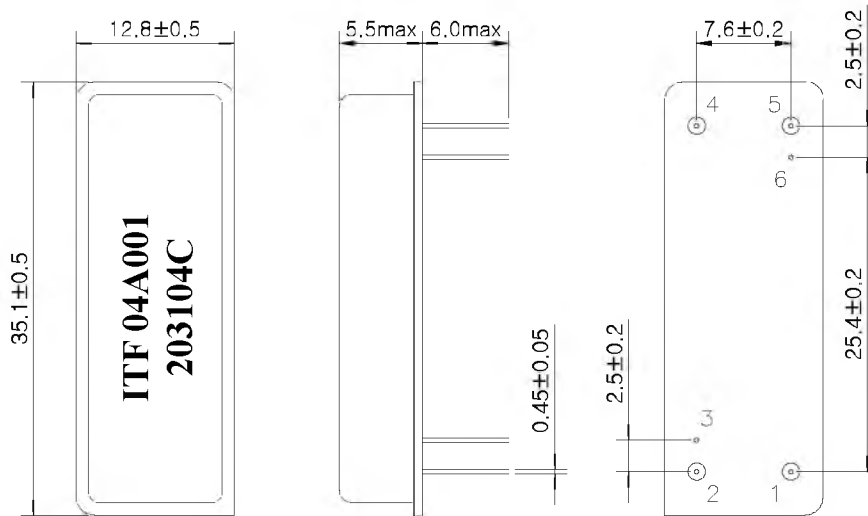
SAW Bandpass Filter 203104C



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
5	Output
2, 4	Ground
3, 6	Case ground

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3. Specifications

$F_0 = 44.05 \text{ MHz}$

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	44.00	44.05	44.10
Insertion Loss	dB	-	22.5	25.0
1dB Bandwidth	MHz	-	5.5	-
3dB Bandwidth	MHz	5.65	5.7	-
40dB Bandwidth	MHz	-	6.65	6.8
Amplitude Ripple ($F_0 \pm 2.5 \text{ MHz}$)	dB	-	0.7	1.0
Group Delay Variation ($F_0 \pm 2.5 \text{ MHz}$)	nsec	-	60	80
Absolute Delay	usec	-	3.39	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/ $^{\circ}\text{C}$	-	-72	-

Notes :

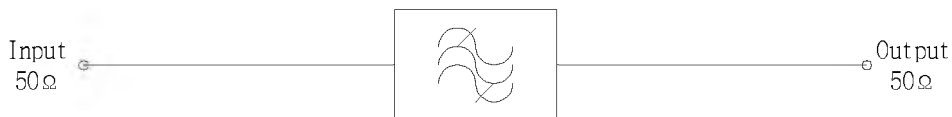
- 1) All specifications are based on the matching schematic shown below
- 2) All specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature
- 3) All attenuation measurements are measured relative to insertion loss

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4. Matching Schematic

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



5. Marking Configuration

ITF¹⁾04A001²⁾
203104C³⁾

1) Manufacturer name

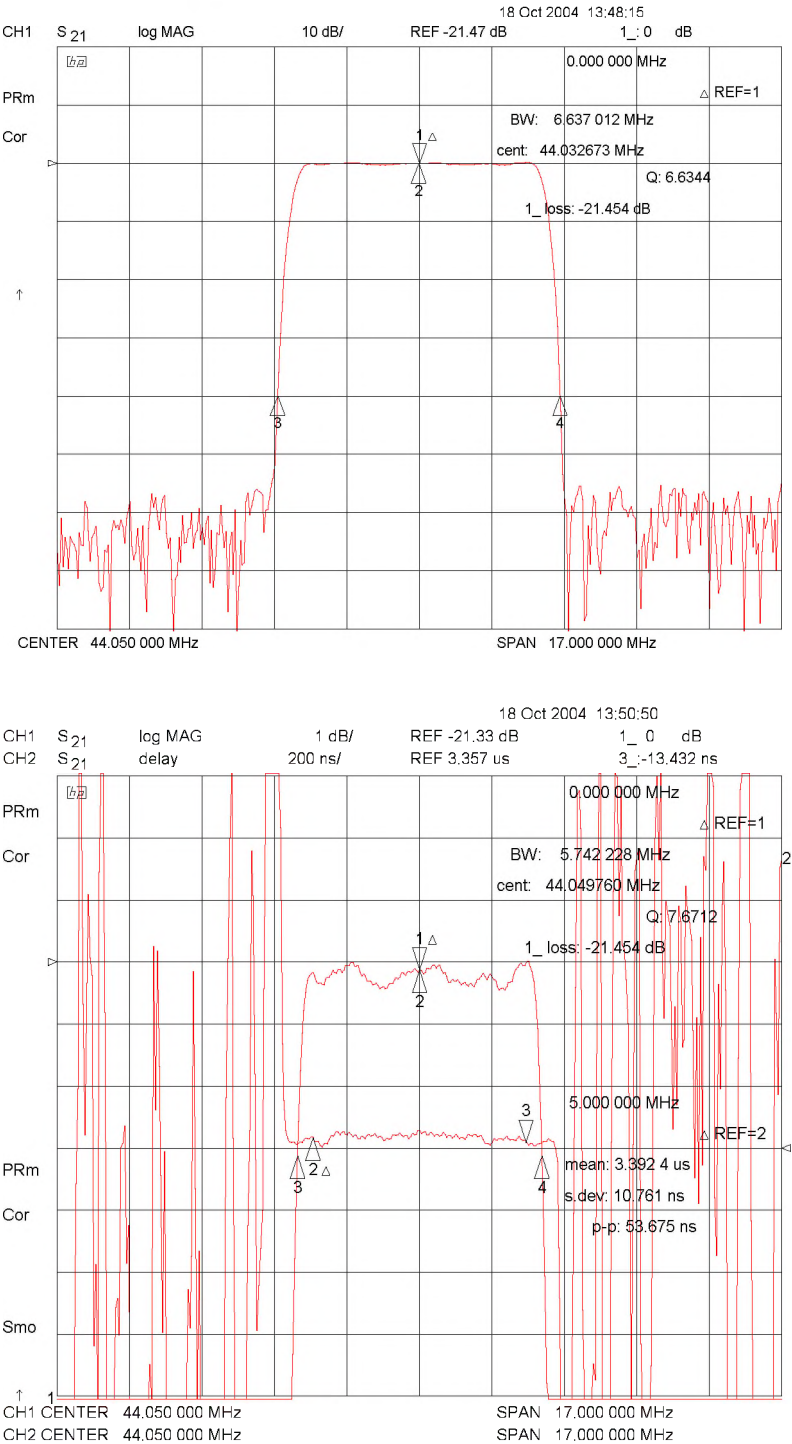
2) Lot Number

3) Part Number

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6. Typical Performance (at +25°C)



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