

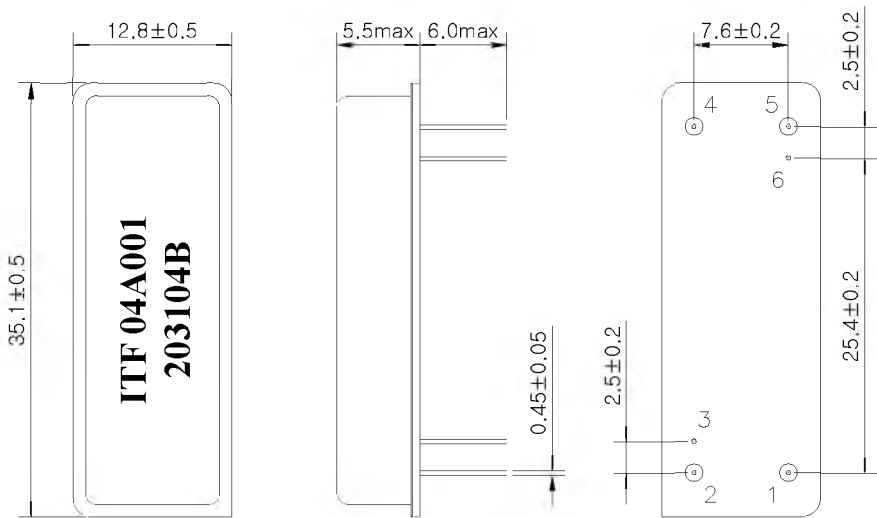
SAW Bandpass Filter 203104B



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

SAW Bandpass Filter 203104B



3. Specifications

$F_0 = 44.0 \text{ MHz}$

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	43.95	44.0	44.05
Insertion Loss	dB	-	22.0	24.0
1dB Bandwidth	MHz	-	5.45	-
3dB Bandwidth	MHz	5.65	5.70	-
40dB Bandwidth	MHz	-	6.6	6.7
Amplitude Ripple ($F_0 \pm 2.5 \text{ MHz}$)	dB	-	0.8	1.0
Group Delay Variation ($F_0 \pm 2.5 \text{ MHz}$)	nsec	-	80	150
Absolute Delay	usec	-	3.84	-
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/ $^{\circ}\text{C}$	-	-72	-

Notes :

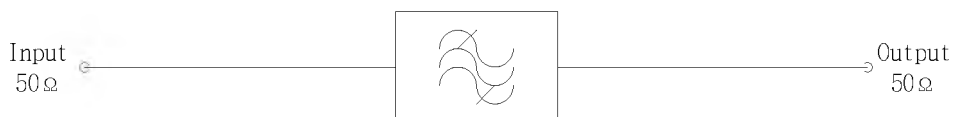
- 1) All specifications are based on the matching schematic shown below
- 2) All specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature
- 3) All attenuation measurements are measured relative to insertion loss

SAW Bandpass Filter 203104B



4. Matching Schematic

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



5. Marking Configuration

ITF¹⁾04A001²⁾

203104B³⁾

1) Manufacturer name

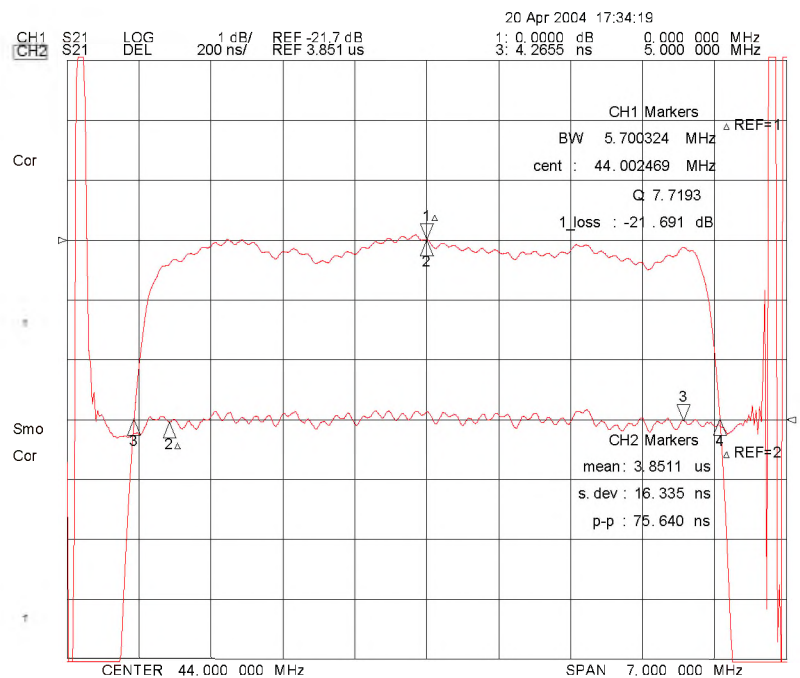
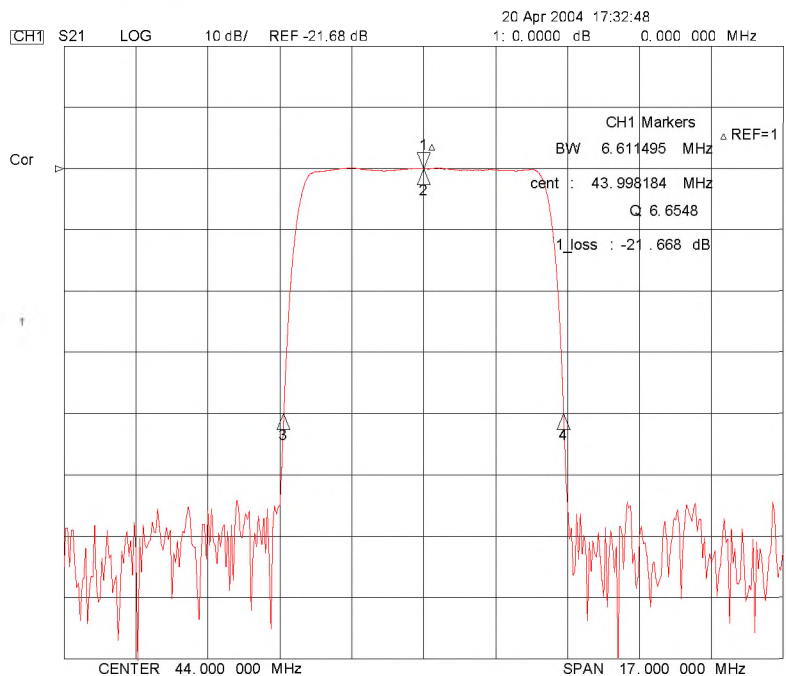
2) Lot Number

3) Part Number

SAW Bandpass Filter 203104B



6. Typical Performance (at +25℃)



SAW Bandpass Filter 203104B

