

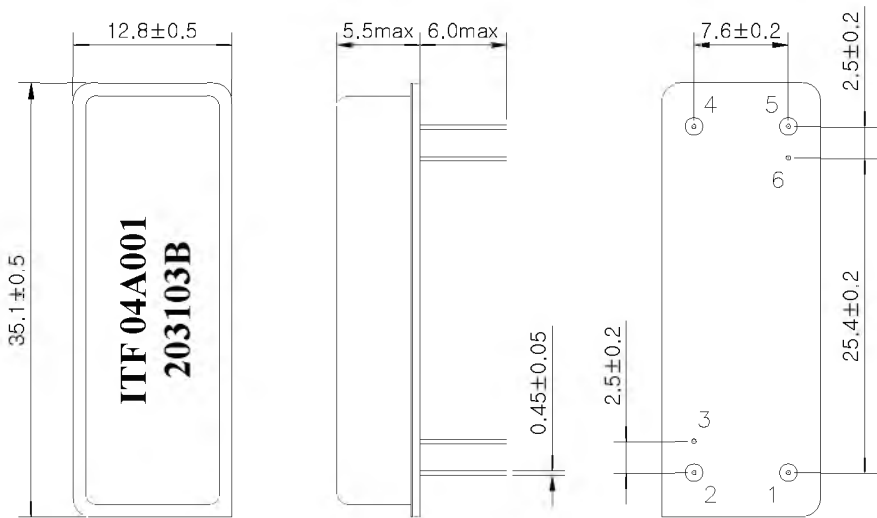
SAW Bandpass Filter 203103B



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

$F_0 = 59.275 \text{ MHz}$

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	59.245	59.275	59.305
Insertion Loss	dB	-	24.5	25.5
1dB Bandwidth	MHz	-	10.93	-
3dB Bandwidth	MHz	11.1	11.28	-
40dB Bandwidth	MHz	-	12.55	13.0
Amplitude Ripple ($F_0 \pm 5.2 \text{ MHz}$)	dB	-	1.2	2.0
Group Delay Variation ($F_0 \pm 5.2 \text{ MHz}$)	nsec	-	50	100
Absolute Delay	usec	-	2.9	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/ $^{\circ}\text{C}$	-	-72	-

Notes :

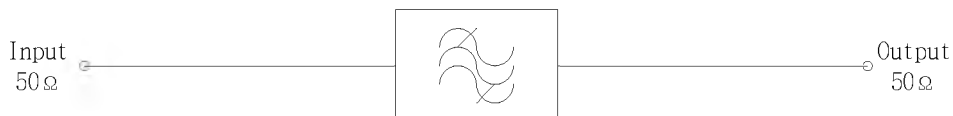
- 1) All specifications are based on the matching schematic shown below
- 2) All specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature
- 3) All attenuation measurements are measured relative to insertion loss

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4. Matching Schematic

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



5. Marking Configuration

ITF¹⁾04A001²⁾

203103B³⁾

1) Manufacturer name

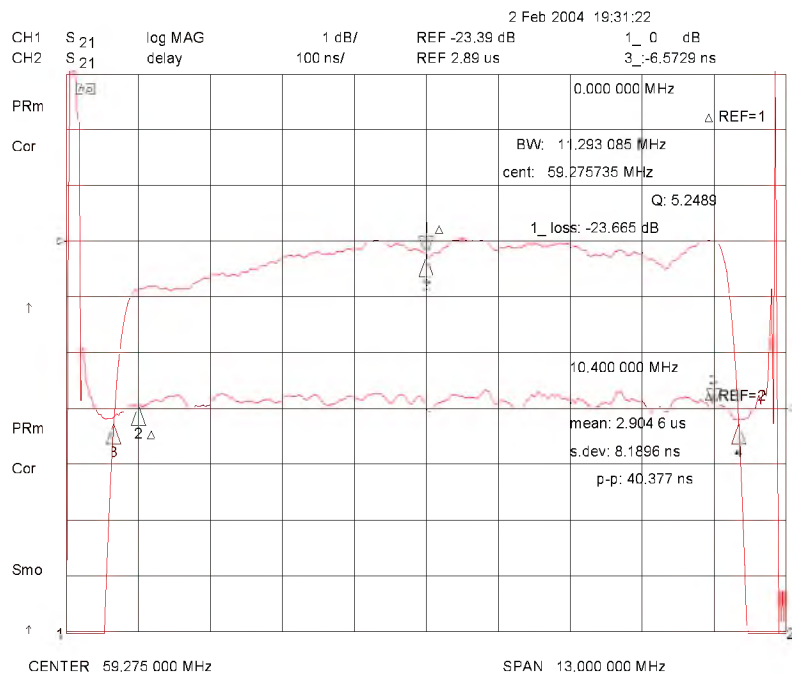
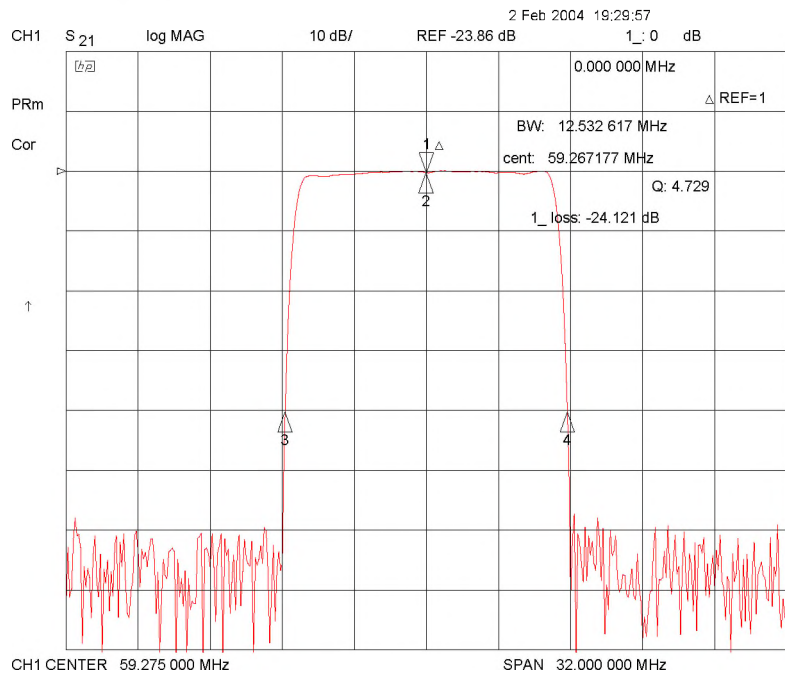
2) Lot Number

3) Part Number

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6. Typical Performance (at +25℃)



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