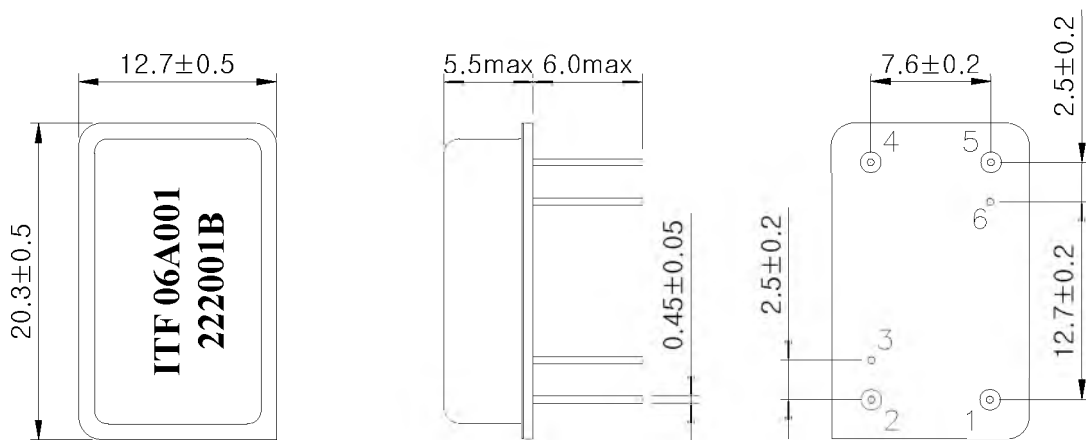


SAW Bandpass Filter 222001B

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 : D2012

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 222001B



3. Specifications

Fo = 62.5 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	62.45	62.5	62.55
Insertion Loss	dB	-	25.5	26.5
1dB Bandwidth	MHz	-	20.1	-
3dB Bandwidth	MHz	20.4	20.5	-
40dB Bandwidth	MHz	-	22.4	22.5
Amplitude Ripple (Fo +/- 9.75 MHz)	dB	-	0.6	1.0
Group Delay Variation (Fo +/- 9.75 MHz)	nsec	-	30	100
Absolute Delay	usec	-	1.83	-
Ultimate Rejection	dB	50	55	-
Temperature Coefficient of Frequency	ppm/°C	-	-72	-

Notes :

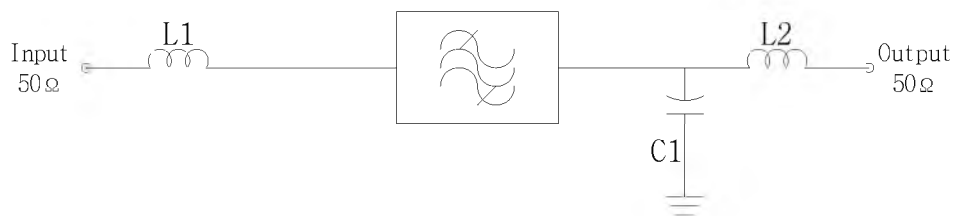
- 1) All specifications are based on the matching schematic shown below
- 2) All specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature
- 3) All attenuation measurements are measured relative to insertion loss

SAW Bandpass Filter 222001B



4. Matching Schematic

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



$$L1 = L2 = 120 \text{ nH,}$$

$$C1 = 14 \text{ pF}$$

5. Marking Configuration

ITF¹⁾ 06A001²⁾

222001B³⁾

1) Manufacturer name

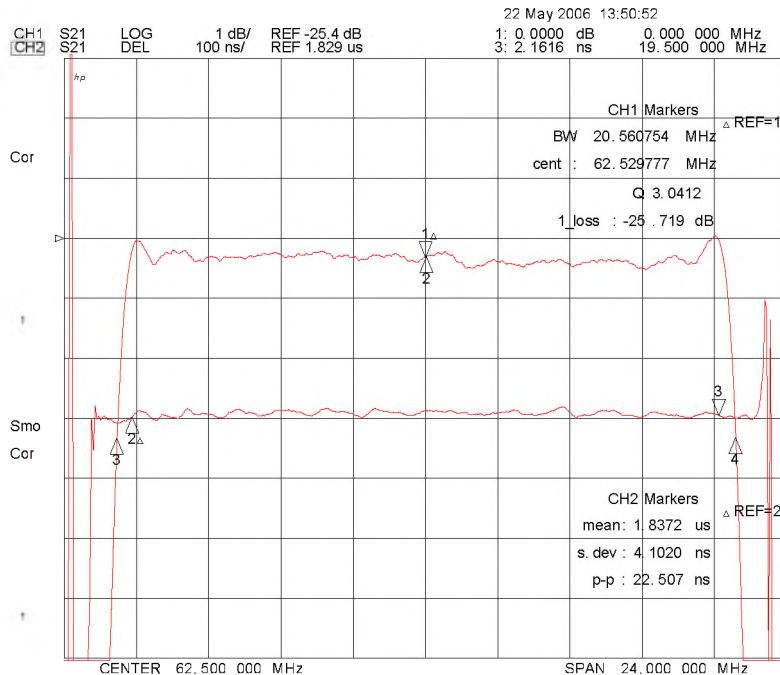
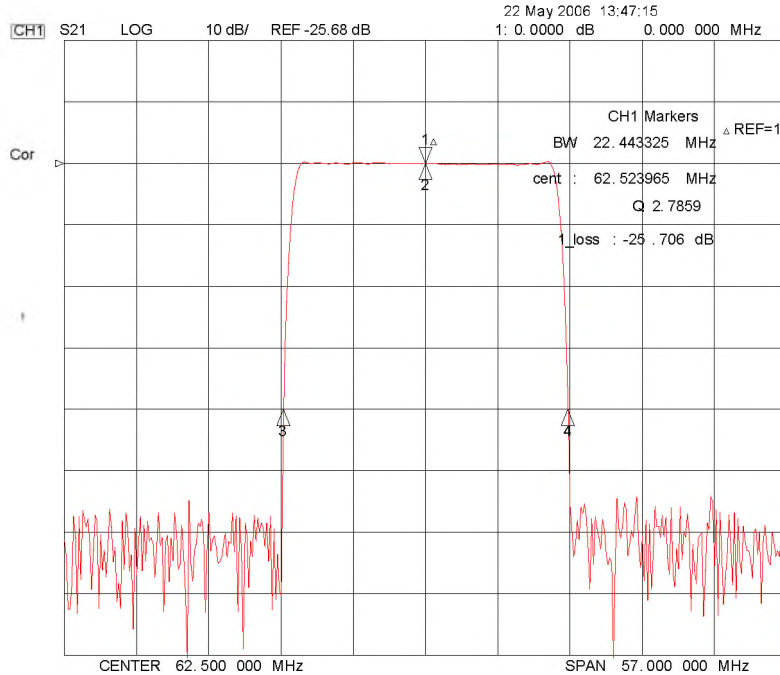
2) Lot Number

3) Part Number

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6. Typical Performance (at +25°C)



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