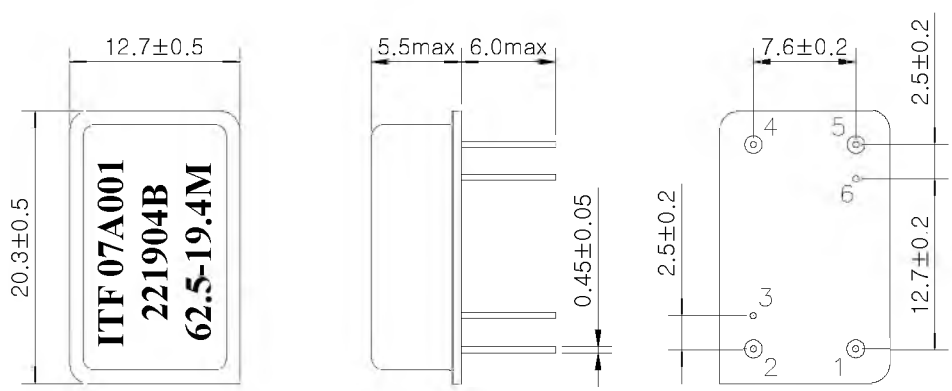
SAW Bandpass Filter 221904B

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 : 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

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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	-	62.5	-
Insertion Loss	dB	-	24.1	-
1dB Bandwidth	MHz	-	19.41	-
3dB Bandwidth	MHz	19.8	19.9	-
40dB Bandwidth	MHz	-	22.0	22.15
Amplitude Ripple (fo±9.22 MHz)	dB	-	0.38	1.0
Group Delay Variation (fo±9.22 MHz)	nsec	-	20	50
Absolute Delay	usec	-	1.84	-
Ultimate Rejection	dB	50	55	-
Relative Attenuation				
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

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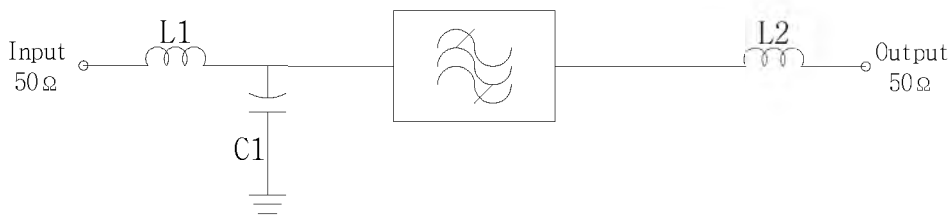
4. Matching Schematic

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



L1=150nH, L2=180nH

C1=12pF

5. Marking Configuration

ITF[1] 07A001[2]

221904B[3]

62.5[4] -19.4M[5]

1) Manufacturer name

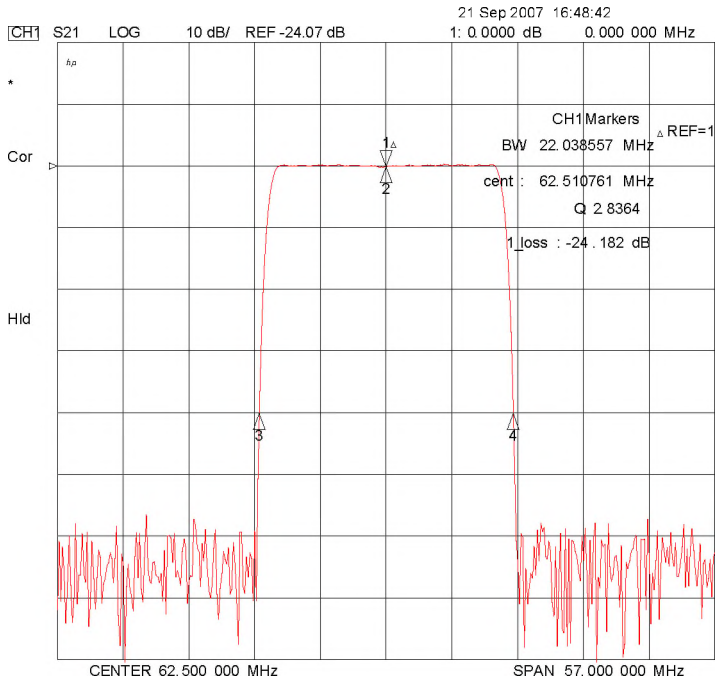
2) Lot Number

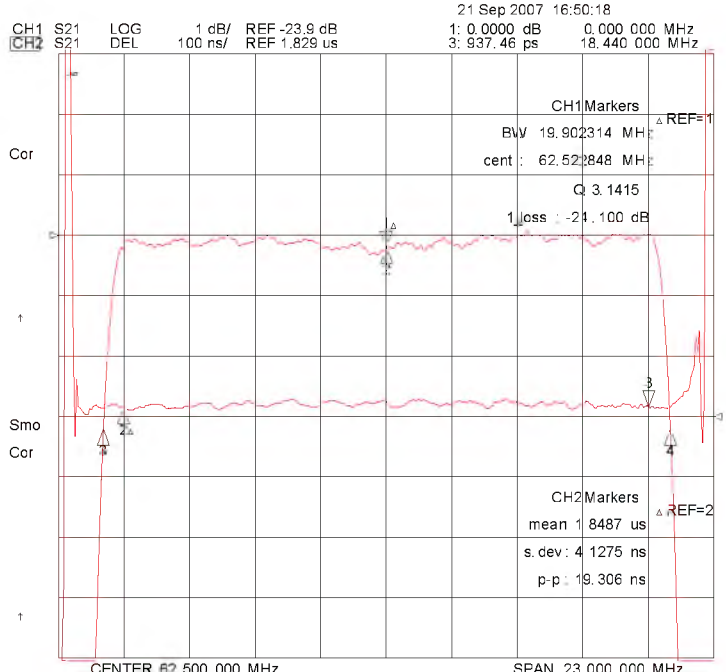
3) Part Number

4) Center Frequecy

5) 1dB-Bandwidth

6. Typical Performance (at +25°C)





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