

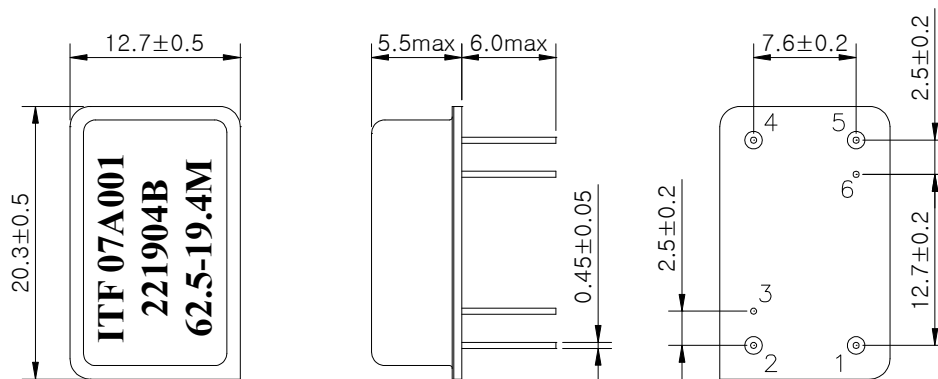
SAW Bandpass Filter 221904B



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

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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

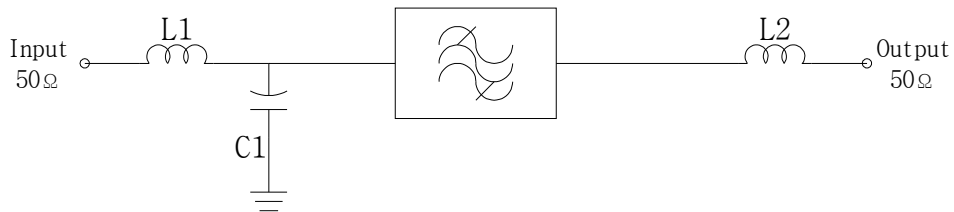
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4. Matching Schematic

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



L1=150nH, L2=180nH

C1=12pF


5. Marking Configuration

ITF¹⁾ 07A001²⁾

221904B³⁾

62.5⁴⁾ -19.4M⁵⁾

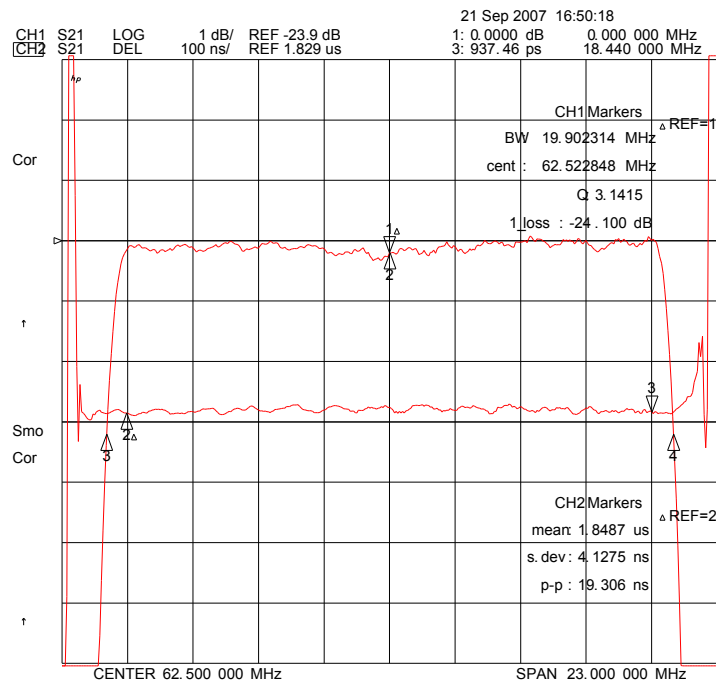
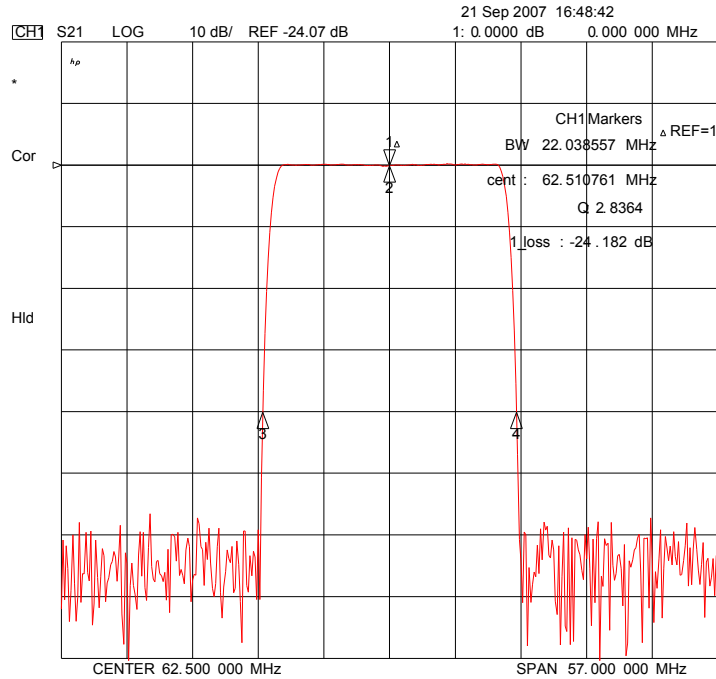
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number
- 4) Center Frequency
- 5) 1dB-Bandwidth

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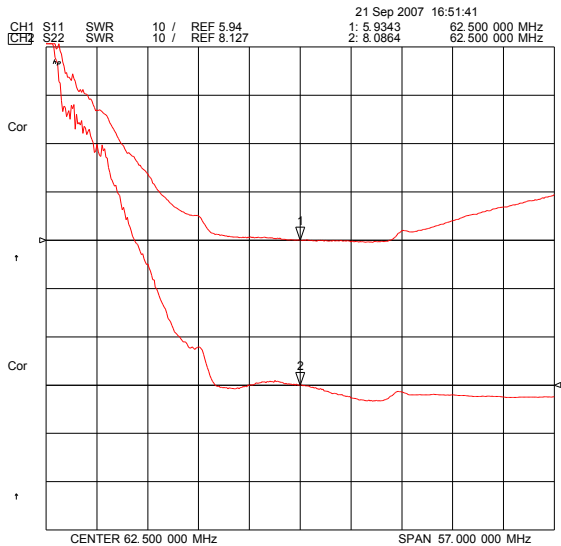
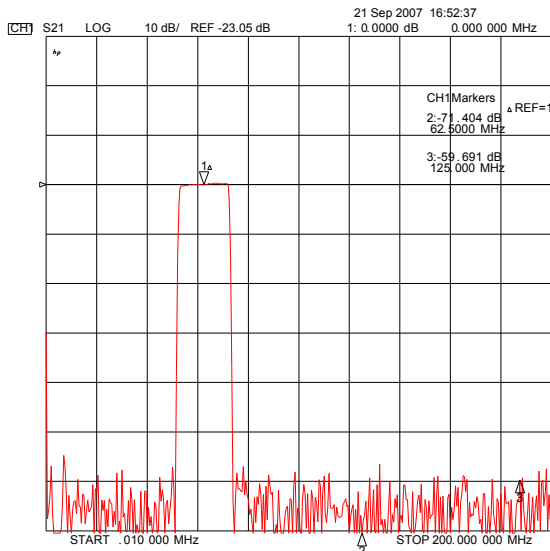
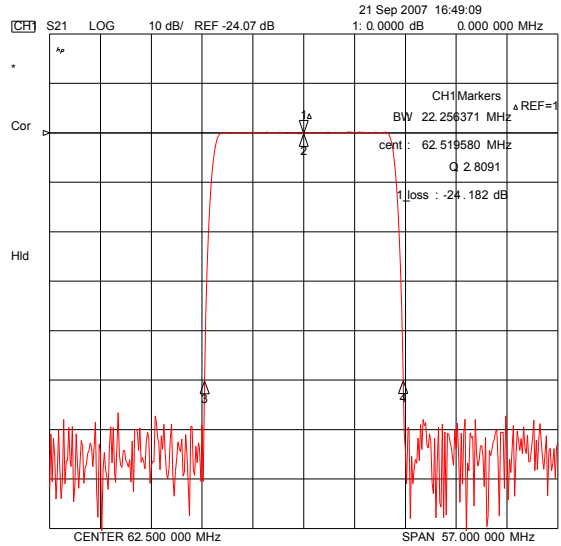
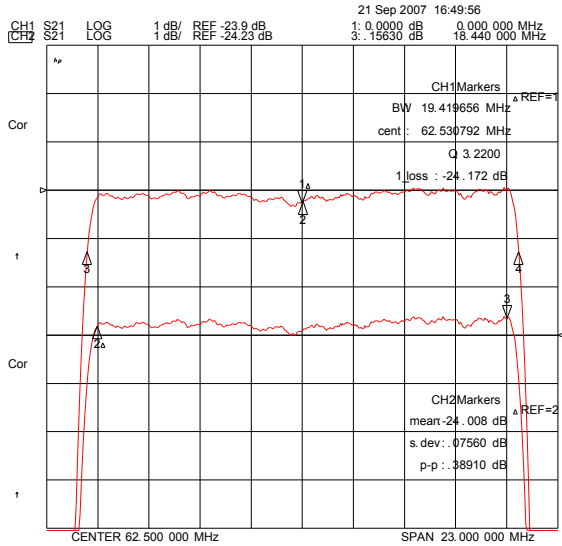
6. Typical Performance (at +25°C)



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