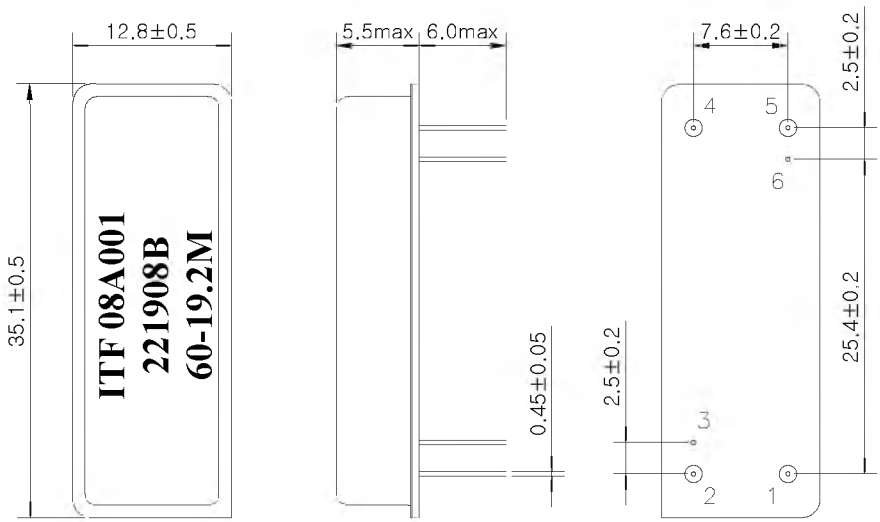
SAW Bandpass Filter 221908B

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 : 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

Fo = 60.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	-	60.0	-
Insertion Loss	dB	-	25.5	27.0
1dB Bandwidth	MHz	19.1	19.25	-
3dB Bandwidth	MHz	-	19.53	-
40dB Bandwidth	MHz	-	20.74	-
50dB Bandwidth	MHz	-	20.85	20.95
Amplitude Ripple (fo±9.375 MHz)	dB	-	0.55	1.0
Group Delay Variation (fo±9.375 MHz)	nsec	-	45	60
Absolute Delay	usec	-	2.46	-
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

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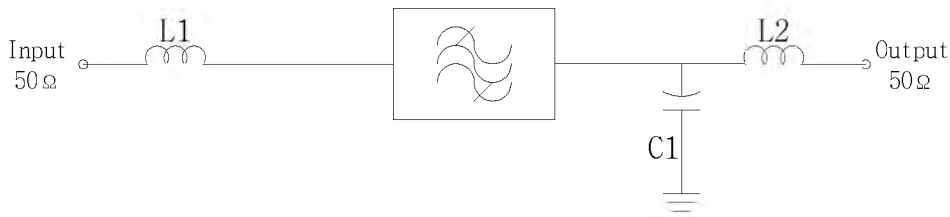
4. Matching Schematic

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



L1 = 180nH, L2 = 180nH

C1 = 12pF

5. Marking Configuration

ITF[1] 08A001[2]

221908B[3]

60[4] -19.2M[5]

1) Manufacturer name

2) Lot Number

3) Part Number

4) Center Frequecy

5) 1dB-Bandwidth

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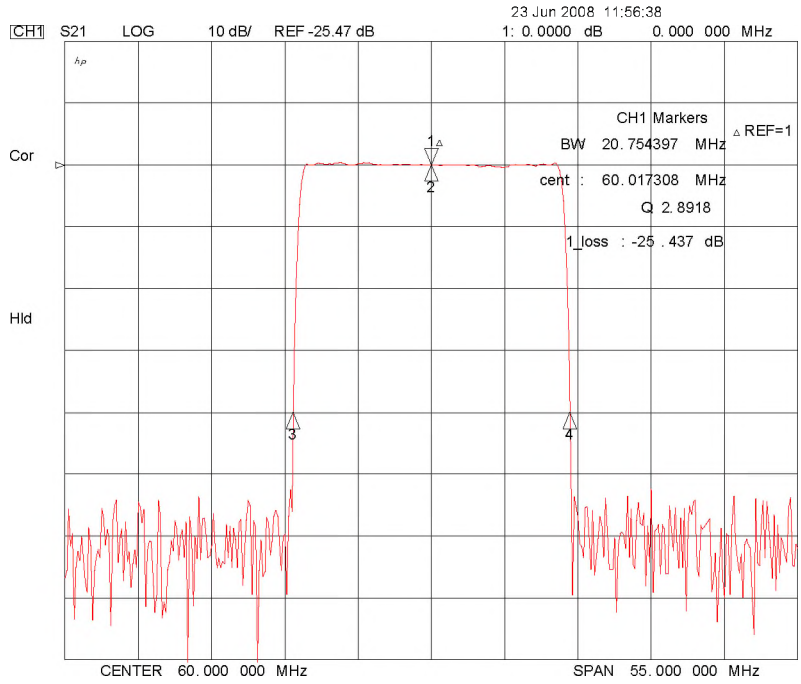
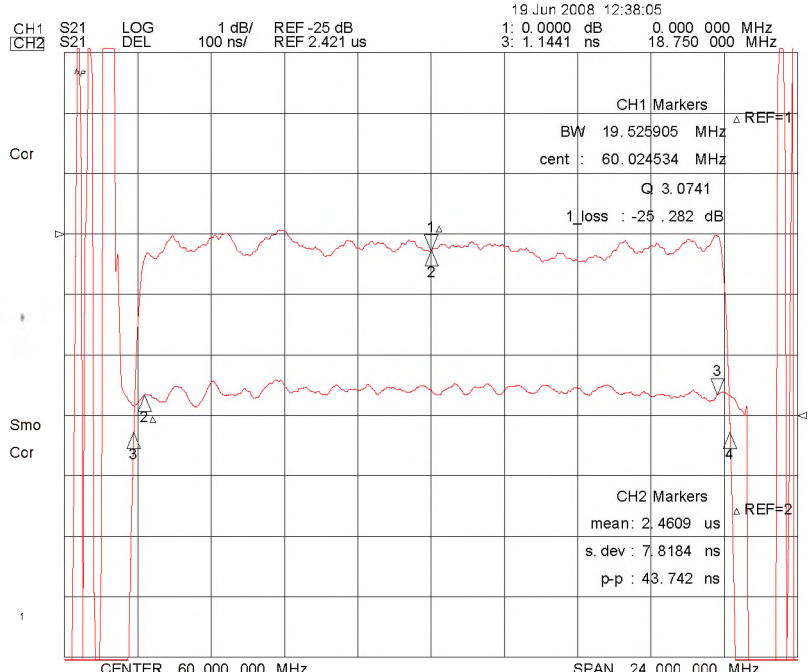
6. Typical Performance (at +25°C)





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