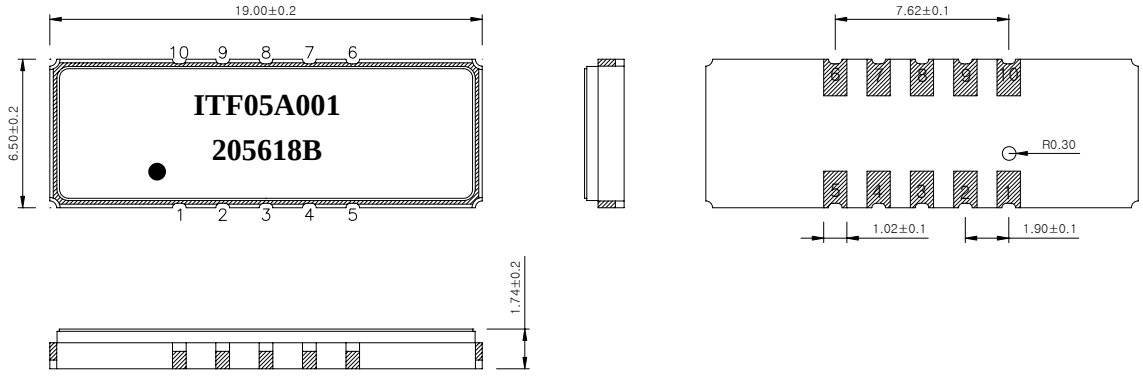
SAW Bandpass Filter 205618B

1. Features

- IF Bandpass Filter
- High-Attenuation
- Single-Ended Operation
- Ceramic Surface Mount Device (SMD) Package
- Maximum Storage Temperature Range : -40℃ ~ 85℃
- Electrostatics Sensitive Device (ESD)

2. Package Dimensions



Package : S1965

Dimensions shown are nominal in millimeters

Body : Al_2O_3 Ceramic
Lid : Kovar, Ni Plated
Terminations : Au plating 0.3 ~ 1.0 um, Over a 1.27 ~ 8.89 um Ni Plating

Pad Configuration	
1	Input
6	Output
5, 10	Ground
Other	Case ground

3. Specifications

Fo = 153.6 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

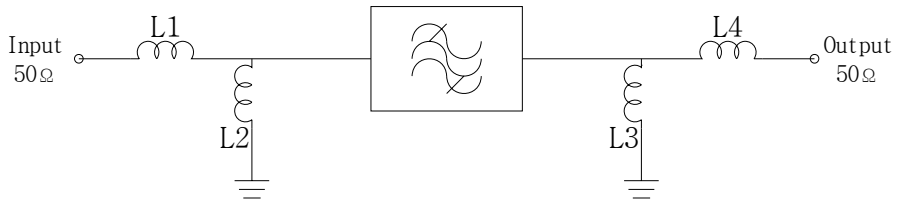
		Minimum	Typical	Maximum
Center Frequency	MHz	153.55	153.6	153.65
Insertion Loss	dB	-	15.7	16.5
1dB Bandwidth	MHz	-	1.86	-
3dB Bandwidth	MHz	2.0	2.13	-
40dB Bandwidth	MHz	-	3.25	3.35
Amplitude Ripple (Fc +/- 0.63 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fc +/- 0.63 MHz)	nsec	-	130	200
Absolute Delay	usec	-	2.48	-
Ultimate Rejection	dB	45	50	-
Temperature Coefficient of Frequency	ppm/°C	-	-0.03	-

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

4. Matching Schematic

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



L1 = L4 = 82 nH

L2 = L3 = 120 nH

5. Marking Configuration

ITF[1] 05A001[2]

205618B[3]

● [4]

1) Manufacturer name

2) Lot Number

3) Part Number

4) Pad Number 1 Index

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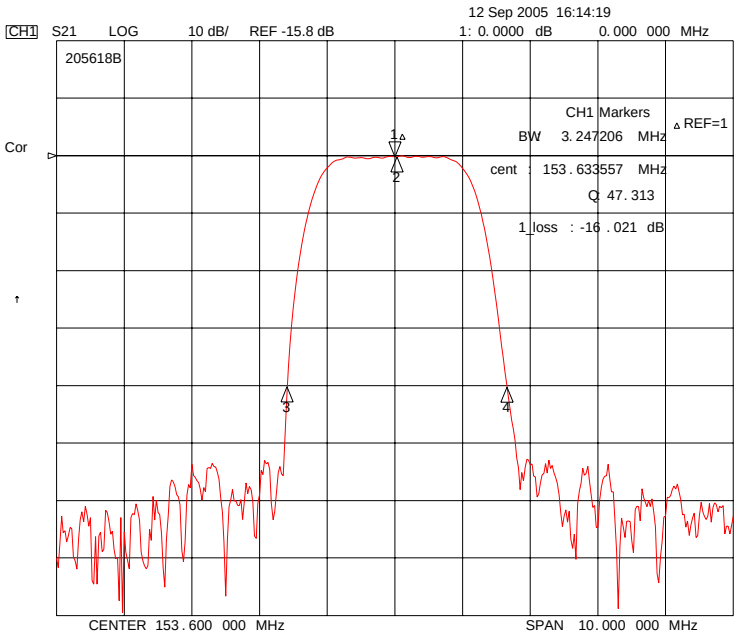
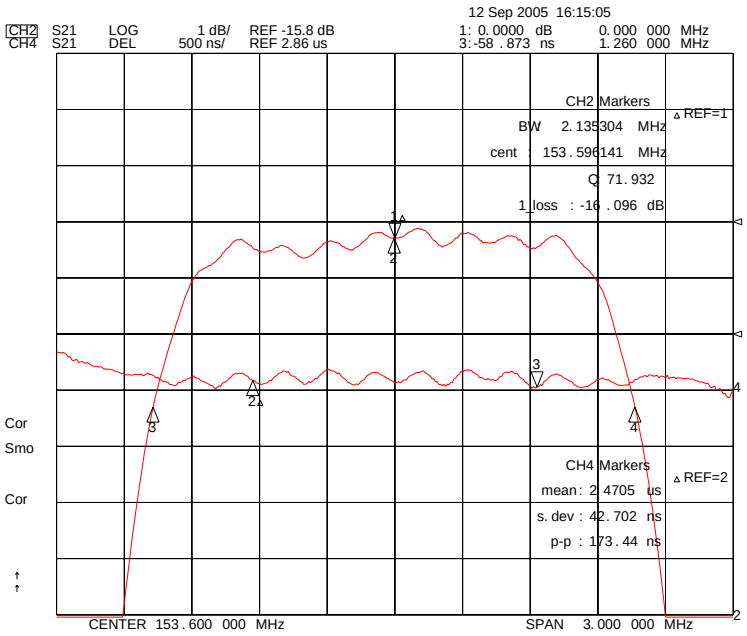
6. Typical Performance (at +25℃)





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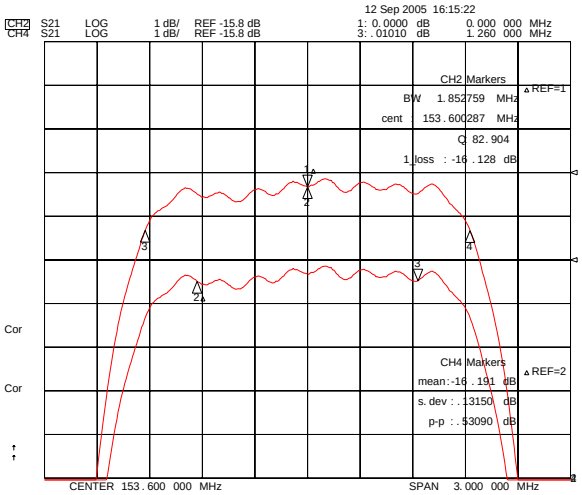

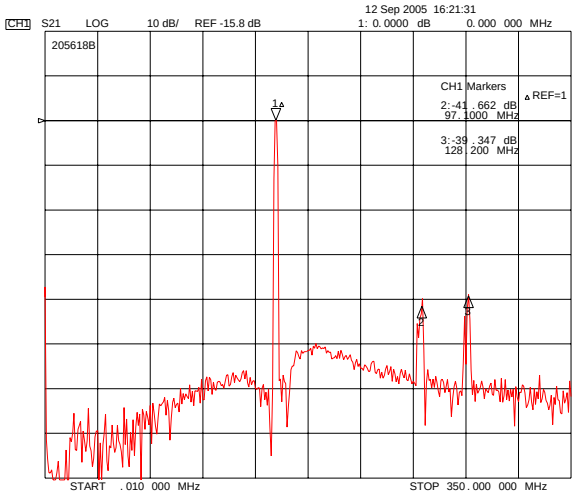

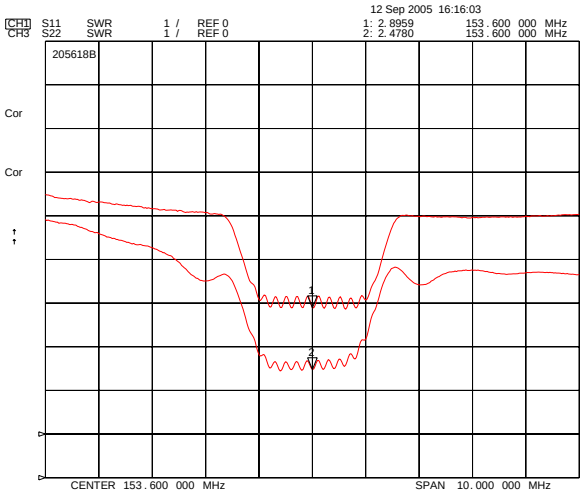

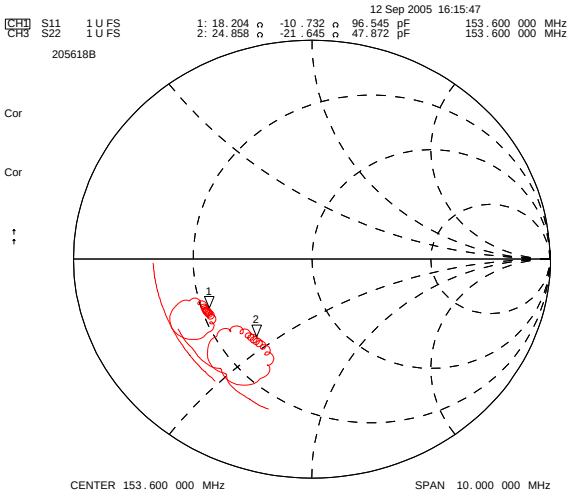

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		Rev. Date	2005-09-12	
		Rev.	NW5009-CS01	5/5