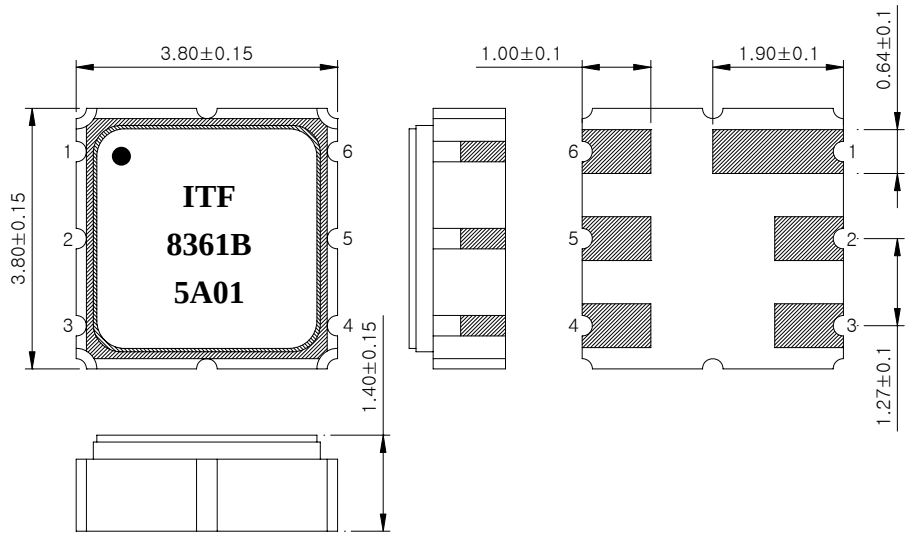
SAW Bandpass Filter 208361B

1. Features

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

2. Package Dimensions



Package : S3838

Pad Configuration	
2	Input
5	Output
3, 6	Ground
Other	Case ground

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

3. Specifications

Fo = 380.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

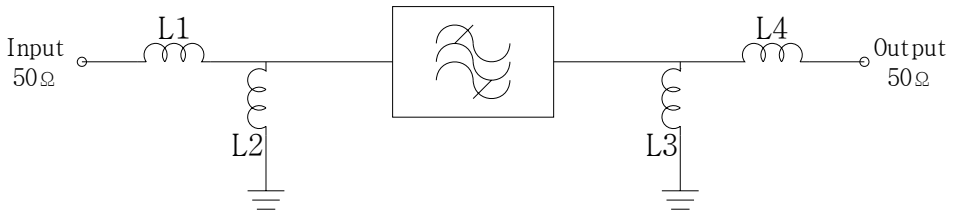
		Minimum	Typical	Maximum
Center Frequency	MHz	379.5	380.0	380.5
Insertion Loss	dB	-	9.5	12.0
1dB Bandwidth	MHz	-	4.85	-
3dB Bandwidth	MHz	5.0	7.5	-
35dB Bandwidth	MHz	-	13.1	13.6
Amplitude Ripple (Fo +/- 2.0 MHz)	dB	-	0.75	1.5
Group Delay Variation (Fo +/- 2.0 MHz)	nsec	-	45	100
Absolute Delay	usec	-	0.38	-
Relative Attenuation				
DC ~ 360.0 MHz	dB	28	38	
360.0 ~ 373.0 MHz	dB	28	38	-
387.0 ~ 410.0 MHz	dB	28	38	-
410.0 ~ 1,300.0 MHz	dB	28	38	
Temperature Coefficient of Frequency	ppm/°C	-	-23	-

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 = 33 nH

L2 = L3 = 27 nH

5. Marking Configuration

●[1)]

ITF[2)]

8361B[3)]

5A01[4)]

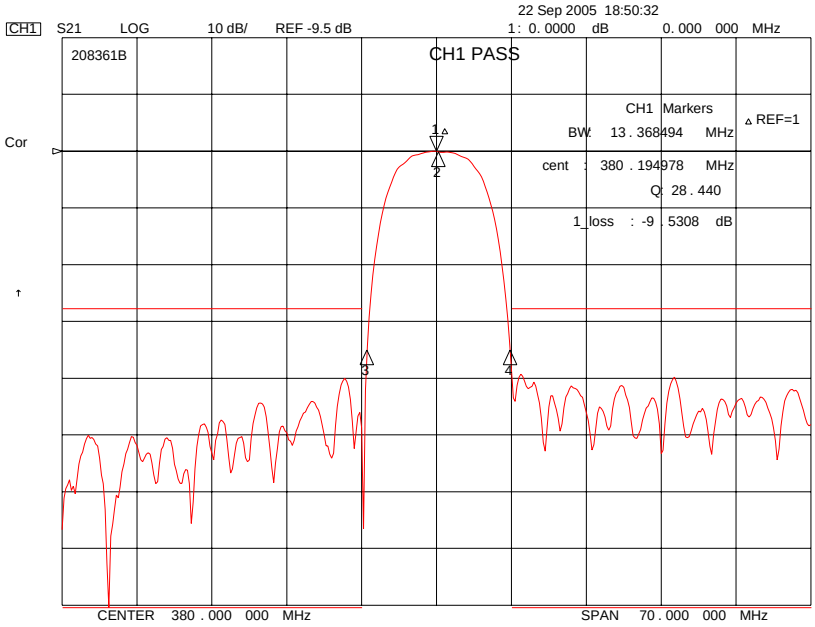
1) Pad Number 1 Index

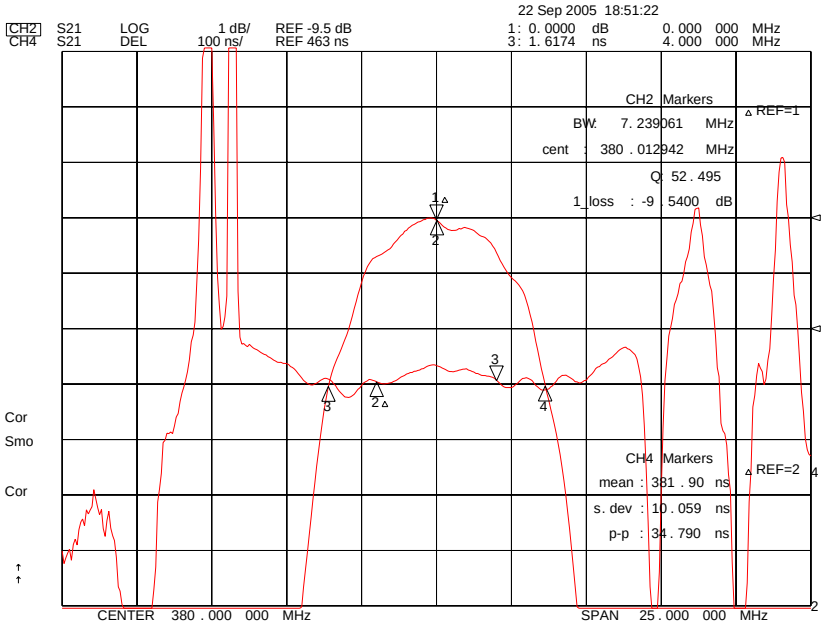
2) Manufacturer name

3) Marking Pad Number

4) Lot Number

6. Typical Performance (at +25℃)





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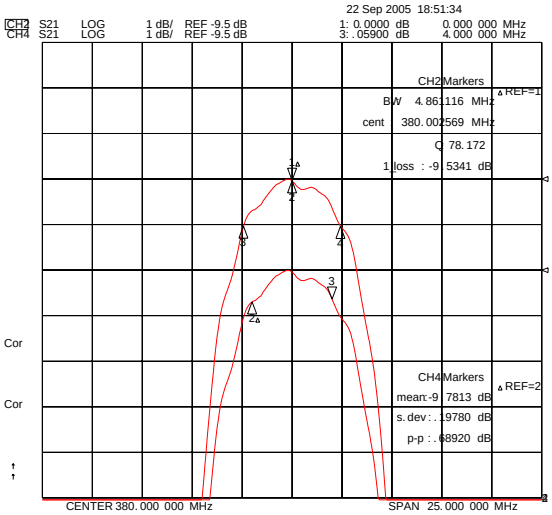

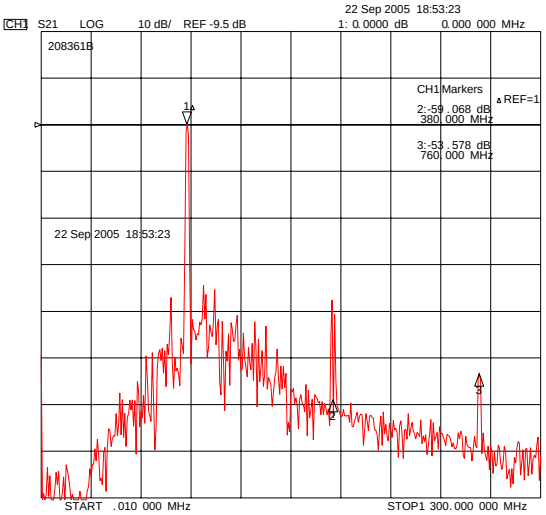

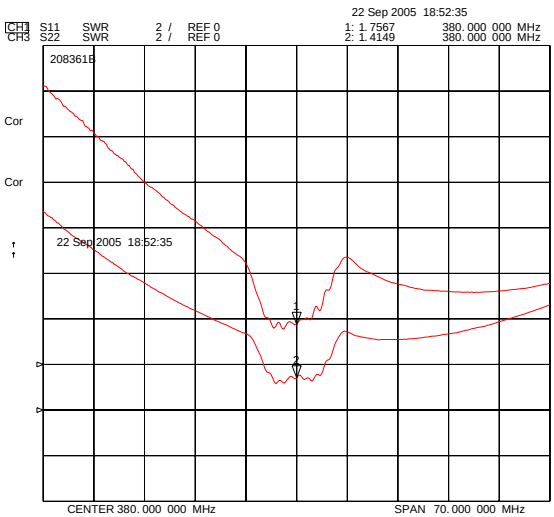

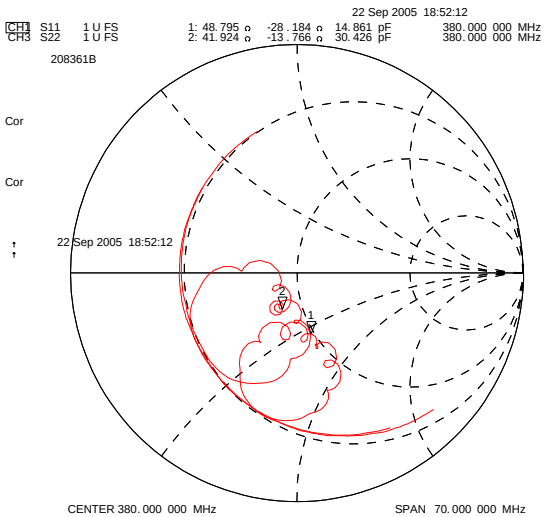

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		Rev. Date	2005-09-23	
		Rev.	NW5011-CS01	5/5