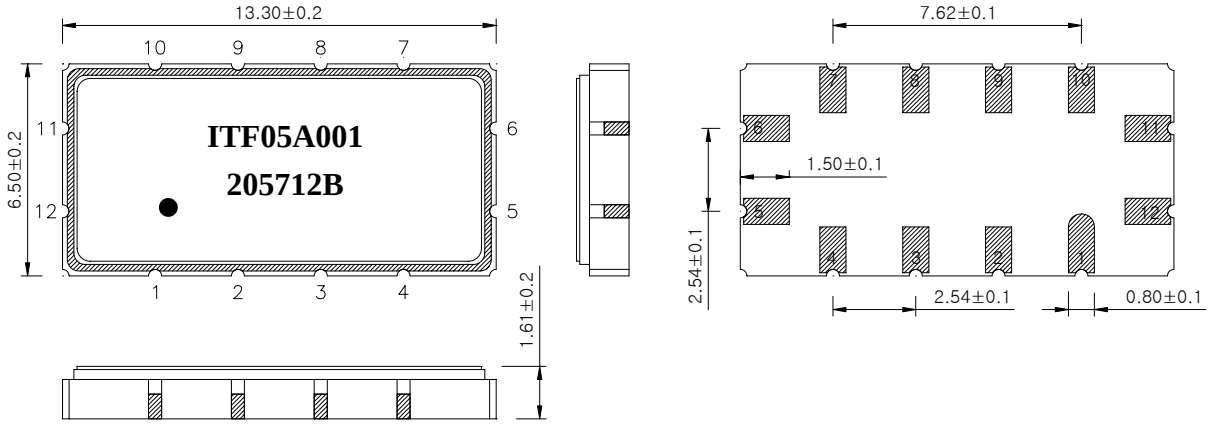
SAW Bandpass Filter 205712B

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 : S1365

Pad Configuration	
11	Input
5	Output
6, 12	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 = 175.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

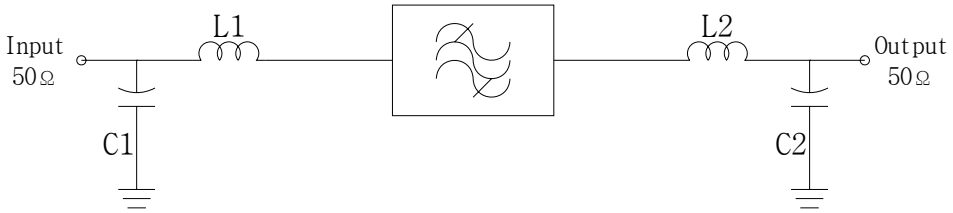
		Minimum	Typical	Maximum
Center Frequency	MHz	174.95	175.0	175.05
Insertion Loss	dB	-	12.2	13.0
1dB Bandwidth	MHz	-	0.5	-
3dB Bandwidth	MHz	0.8	0.95	-
40dB Bandwidth	MHz	-	2.75	2.8
Amplitude Ripple (Fc +/- 0.2 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fc +/- 0.2 MHz)	nsec	-	70	150
Absolute Delay	usec	-	1.7	-
Ultimate Rejection	dB	50	55	-
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 = L2 = 56 nH

C1 = C2 = 43 pF

5. Marking Configuration

ITF[1] 05A001[2]

205712B[3]

● [4]

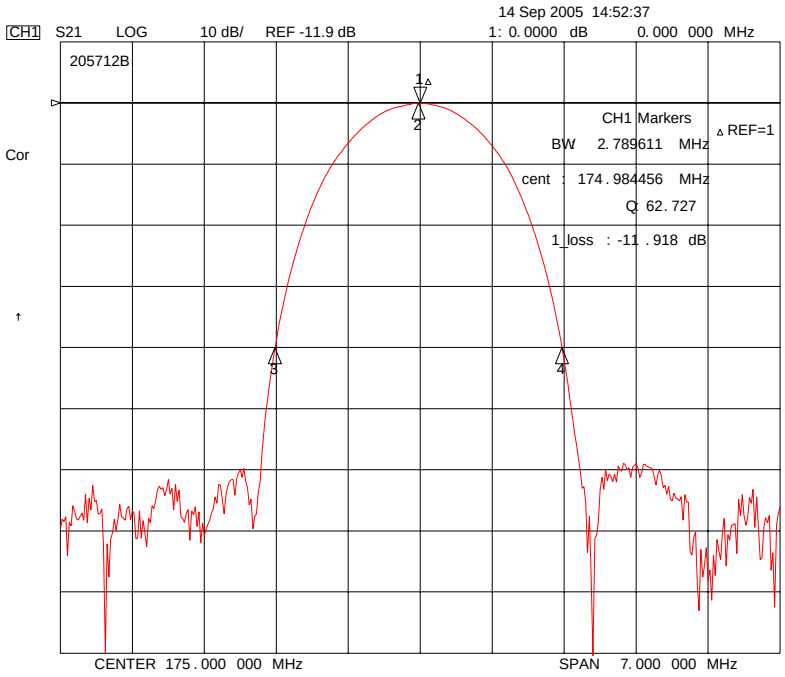
1) Manufacturer name

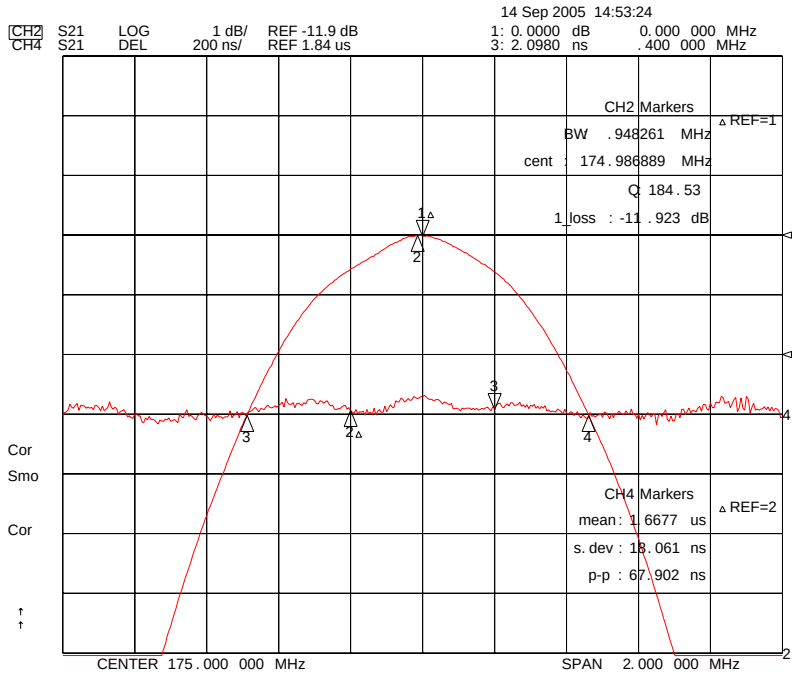
2) Lot Number

3) Part Number

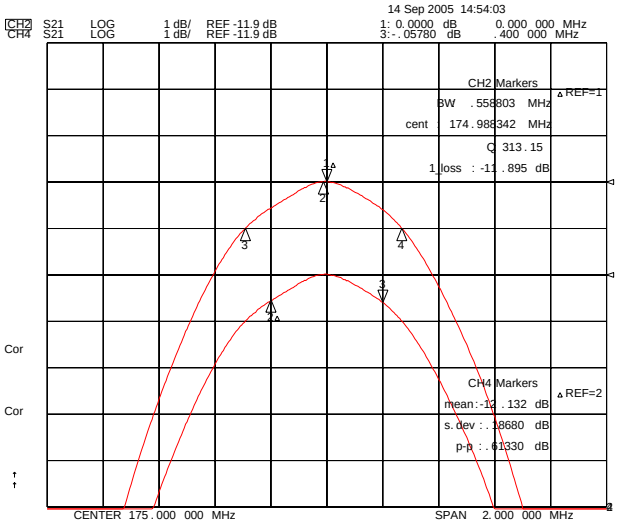
4) Pad Number 1 Index

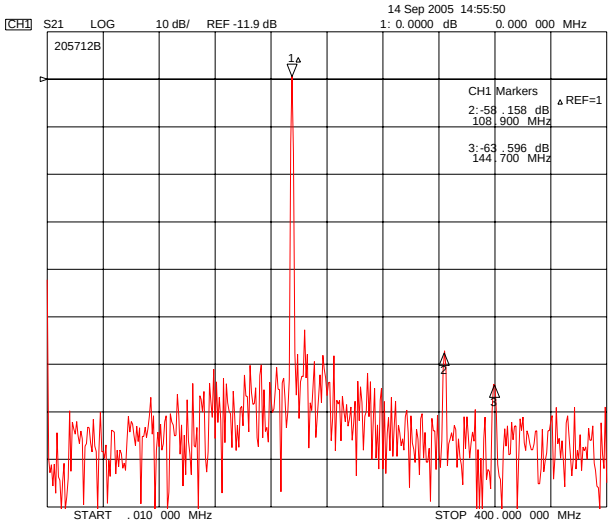
6. Typical Performance (at +25℃)

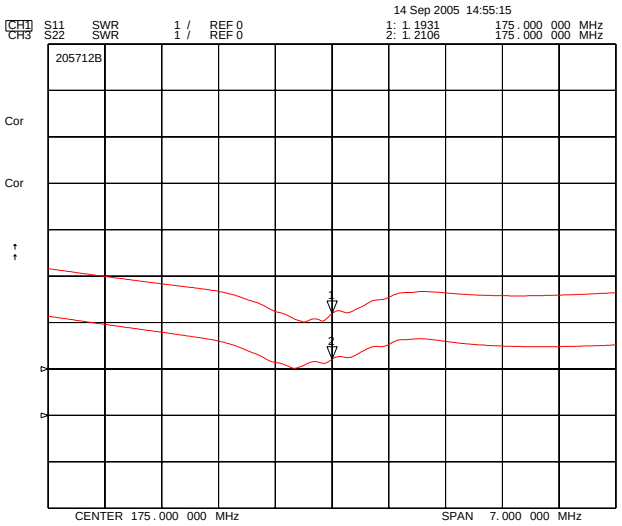


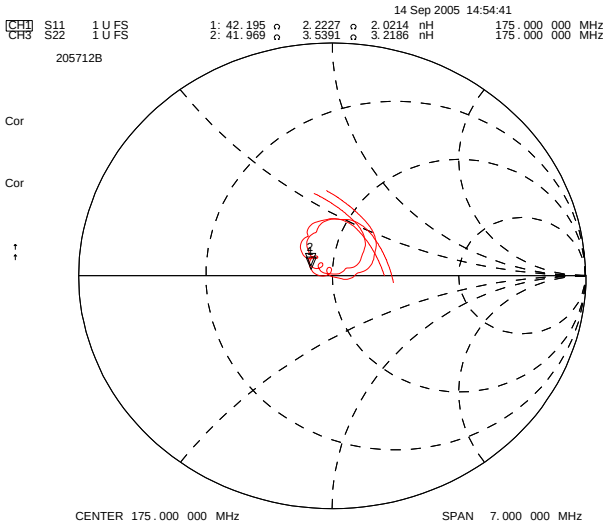


SAW Bandpass Filter 205712B









Integrated Technology Future	**I T F Co., Ltd.** 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyounggi-Do, Korea 421-809	Part No.	205712B
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