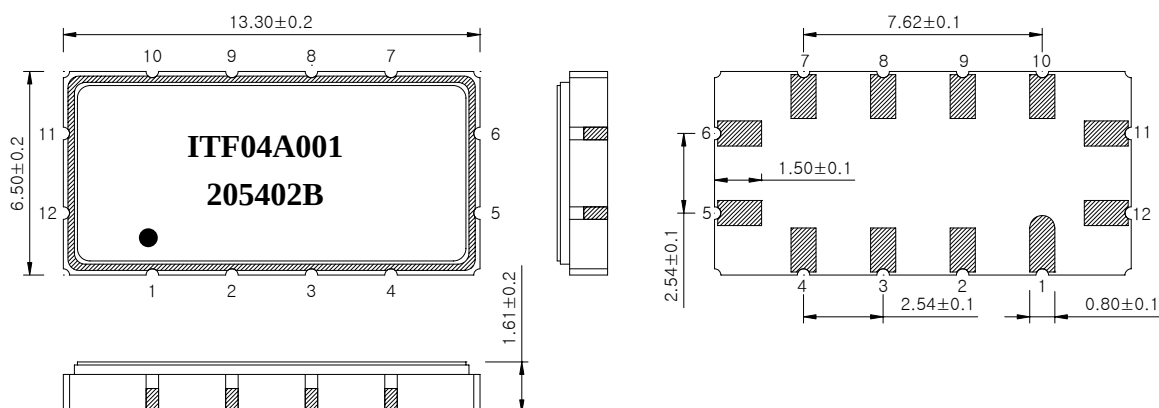


SAW Bandpass Filter 205402B

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 : S1365

Dimensions shown are nominal in millimeters

Body : Al₂O₃ Ceramic

Lid : Kovar, Ni Plated

Terminations : Au plating 0.3 ~ 1.0 um, Over a 1.27 ~ 8.89 um Ni Plating

Pad Configuration	
11	Input
5	Output
6, 12	Ground
Other	Case ground



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Samjeong-Dong, Ojeong-Gu, Bucheon-City,
Gyeonggi-Do, Korea 421-809

Part No.	205402B	
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SAW Bandpass Filter 205402B

3. Specifications

Fo = 82.5 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency	MHz	82.3	82.5	82.7
Insertion Loss	dB	-	13.7	15.0
1dB Bandwidth	MHz	25.5	26.0	-
3dB Bandwidth	MHz	26.4	26.9	-
40dB Bandwidth	MHz	-	30.4	31.0
Amplitude Ripple (Fo +/- 12.5 MHz)	dB	-	0.5	1.0
Group Delay Variation (Fo +/- 12.5 MHz)	nsec	-	30	100
Absolute Delay	usec	-	1.1	-
Ultimate Rejection	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-82	-

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

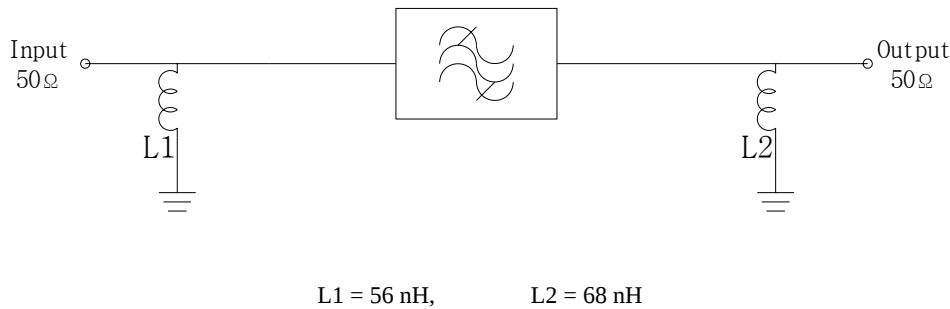
	ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809	Part No.	205402B	
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SAW Bandpass Filter 205402B



4. Matching Schematic

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



5. Marking Configuration

ITF¹⁾ 04A001²⁾
205402B³⁾
●⁴⁾

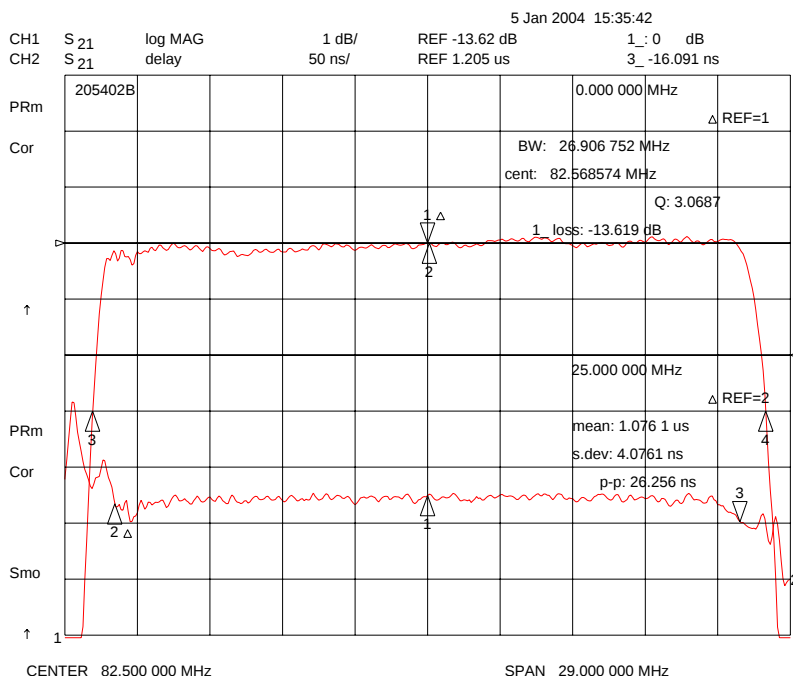
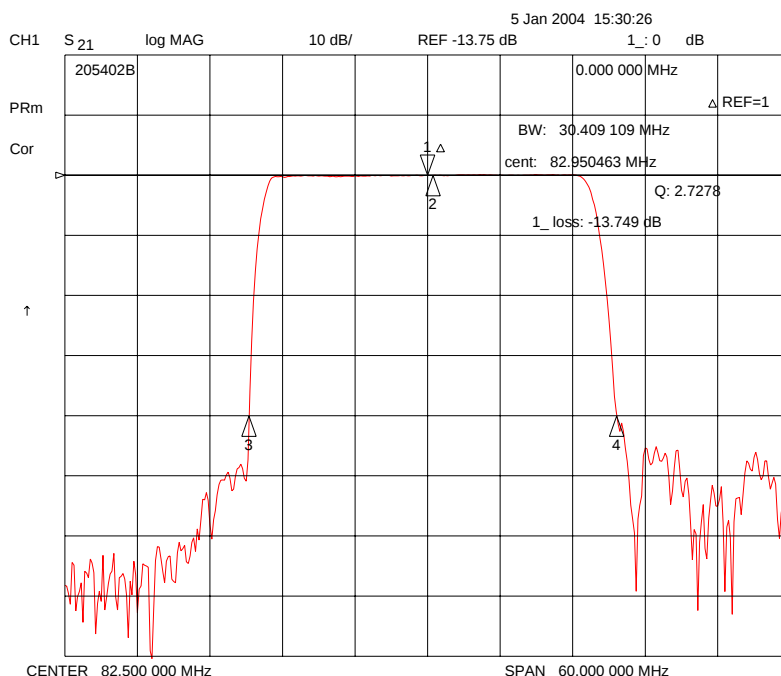
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number
- 4) Pad Number 1 Index

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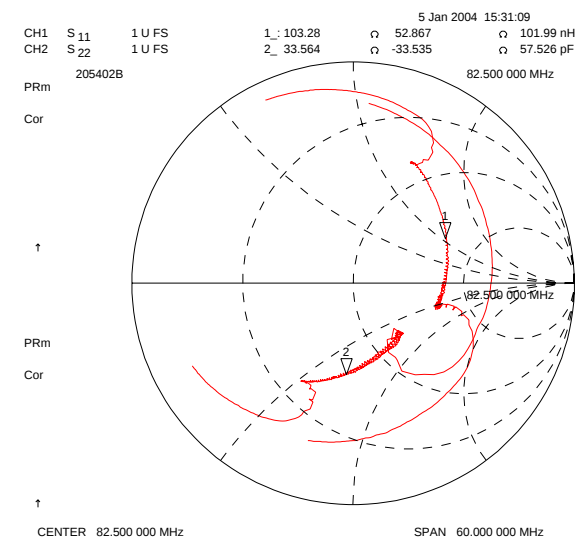
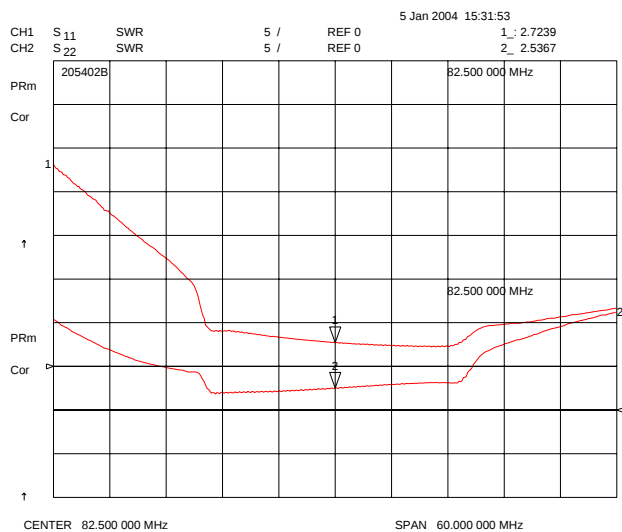
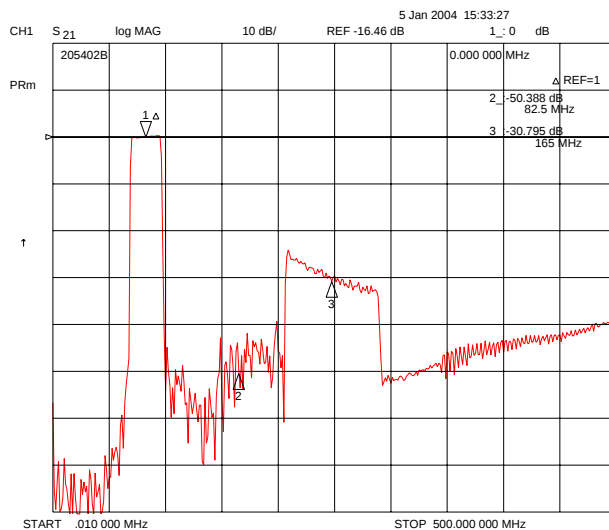
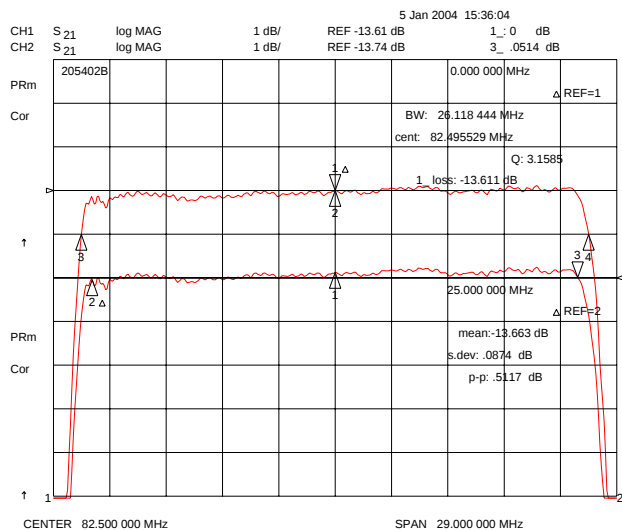
6. Typical Performance (at +25℃)



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SAW Bandpass Filter 205402B



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Rev.

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