

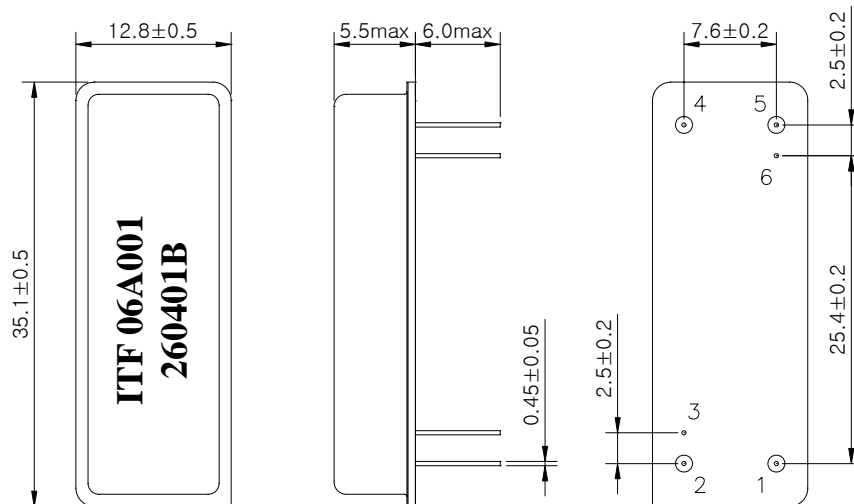
SAW Bandpass Filter 260401B



1. Features

- IF Bandpass Filter
- High Attenuation
- Single-Ended Operation
- DIP Package
- Maximum Storage Temperature Range : -40°C ~ 85°C
- 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 |

| | | | | |
|---|---|-----------|-------------|-----|
|  | ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809 | Part No. | 260401B | |
| | | Rev. Date | 2006-08-07 | |
| | | Rev. | NW6007-CS01 | 1/5 |

SAW Bandpass Filter 260401B



3. Specifications

Fo = 240.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

| | | Minimum | Typical | Maximum |
|--|---------------------|---------|---------|---------|
| Center Frequency | MHz | 239.85 | 240.0 | 240.15 |
| Insertion Loss | dB | - | 23.5 | 27.5 |
| 1dB Bandwidth | MHz | 4.0 | 4.3 | - |
| 3dB Bandwidth | MHz | - | 4.48 | - |
| 40dB Bandwidth | MHz | - | 5.3 | 5.4 |
| Amplitude Ripple (Fo +/- 1.875 MHz) | dB | - | 0.6 | 1.0 |
| Group Delay Variation (Fo +/- 1.875 MHz) | nsec | - | 105 | 250 |
| Absolute Delay | usec | - | 2.92 | - |
| Ultimate Rejection | dB | 45 | 50 | |
| Temperature Coefficient of Frequency | ppm/°C ² | - | -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

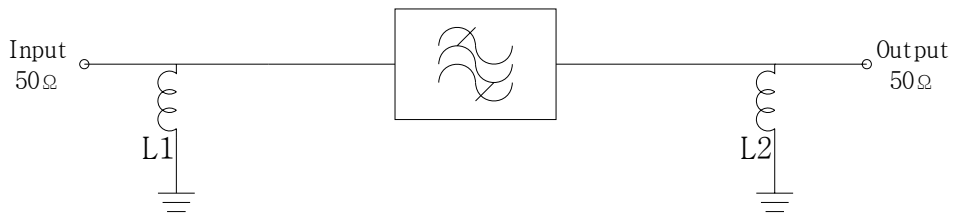
| | | | | |
|--|---|-----------|-------------|-----|
| | ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809 | Part No. | 260401B | |
| | | Rev. Date | 2006-08-07 | |
| | | Rev. | NW6007-CS01 | 2/5 |

SAW Bandpass Filter 260401B



4. Matching Schematic

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



L1 = 18 nH, L2 = 15 nH

5. Marking Configuration

ITF¹⁾ 06A001²⁾
260401B³⁾

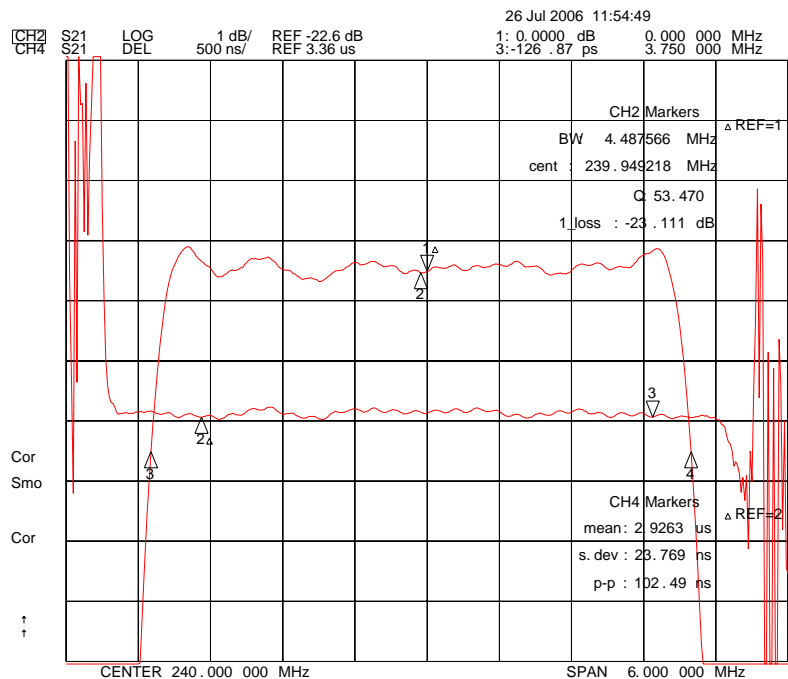
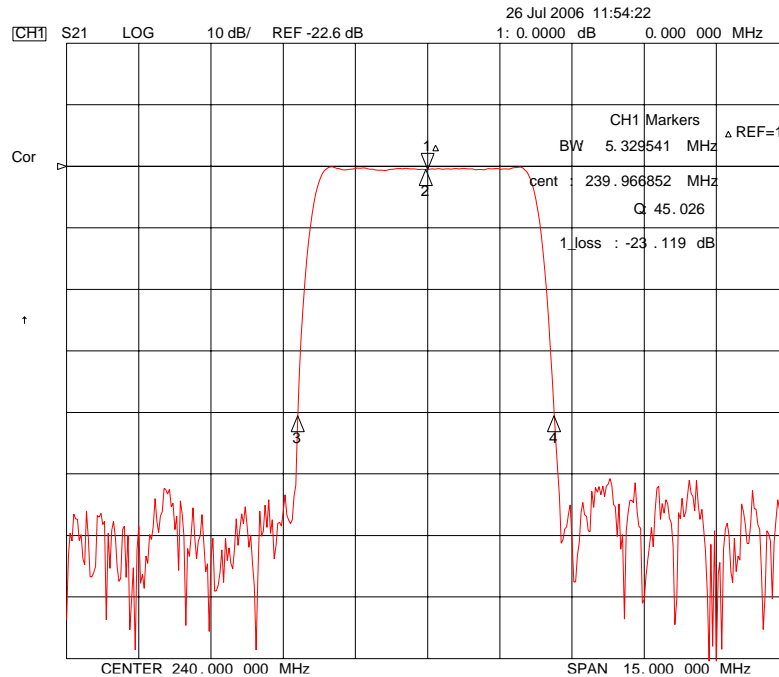
- 1) Manufacturer name
- 2) Lot Number
- 3) Part Number

| | | | | |
|--|--|-----------|-------------|-----|
| | ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809 | Part No. | 260401B | |
| | | Rev. Date | 2006-08-07 | |
| | | Rev. | NW6007-CS01 | 3/5 |

SAW Bandpass Filter 260401B

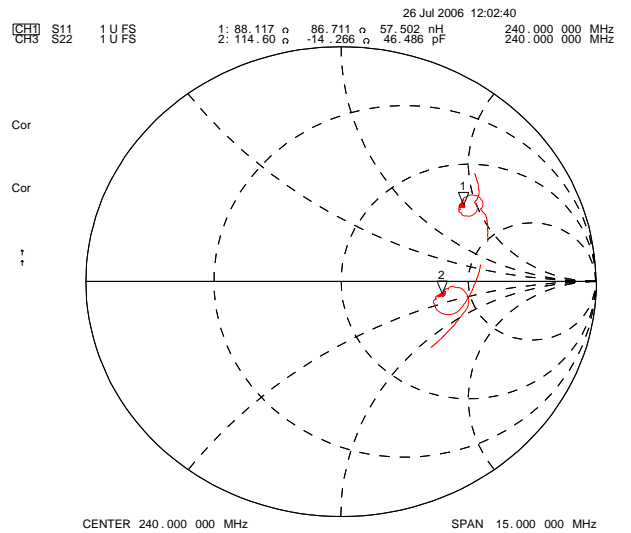
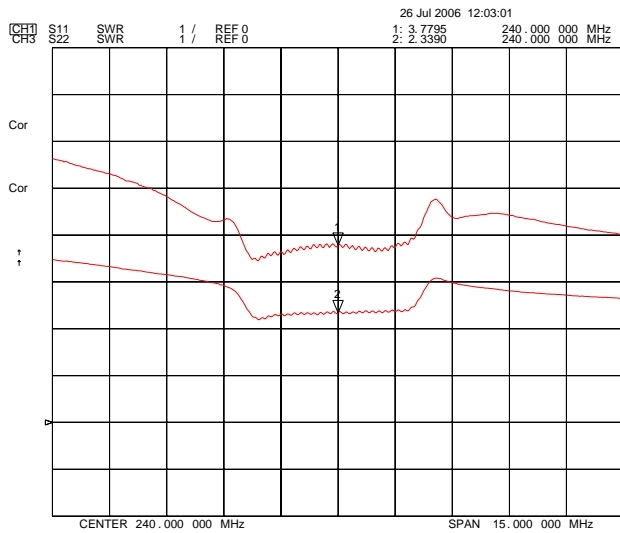
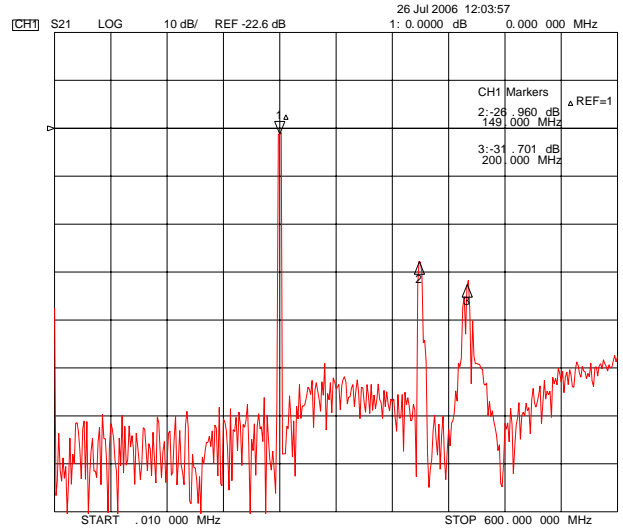
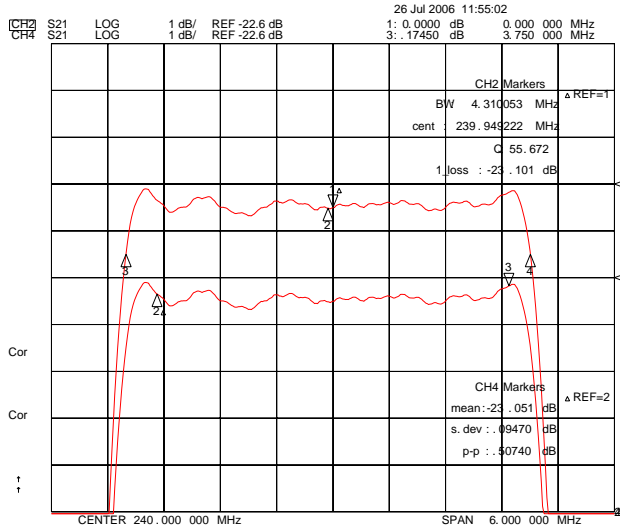


6. Typical Performance (at +25°C)



| | | | | |
|--|---|-----------|-------------|-----|
| | ITF Co., Ltd. 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809 | Part No. | 260401B | |
| | | Rev. Date | 2006-08-07 | |
| | | Rev. | NW6007-CS01 | 4/5 |

SAW Bandpass Filter 260401B



ITF Co., Ltd.
 102-901, Bucheon Technopark 364, Samjeong-Dong, Ojeong-Gu, Bucheon-City, Gyeonggi-Do, Korea 421-809

Part No. 260401B

Rev. Date 2006-08-07

Rev. NW6007-CS01 5/5