

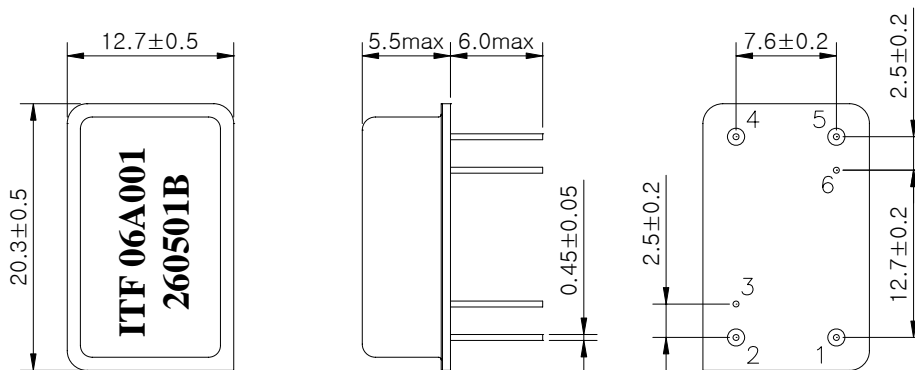
SAW Bandpass Filter 260501B



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 : D2012

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 |
| 4 | Output |
| 2, 5 | Ground |
| Other | Case ground |

| | | | | |
|--|---|-----------|-------------|-----|
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| | | Rev. Date | 2006-06-21 | |
| | | Rev. | NW6003-CS01 | 1/5 |

SAW Bandpass Filter 260501B



3. Specifications

Fo = 207 MHz


Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

| Operating temperature range : -10°C ~ +60°C | | Minimum | Typical | Maximum |
|---|---------------------|---------|---------|---------|
| Center Frequency | MHz | - | 207 | - |
| Insertion Loss | dB | - | 23.0 | 25.0 |
| 1dB Bandwidth | MHz | 5.0 | 5.1 | - |
| 3dB Bandwidth | MHz | - | 5.35 | - |
| 40dB Bandwidth | MHz | - | 6.3 | 6.35 |
| Amplitude Ripple (Fo +/- 2.5 MHz) | dB | | 0.8 | 1.2 |
| Group Delay Variation (Fo +/- 2.5 MHz) | nsec | - | 100 | 250 |
| Absolute Delay | usec | - | 2.6 | - |
| 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
- 3) Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances
- 4) All attenuation measurements are measured relative to insertion loss

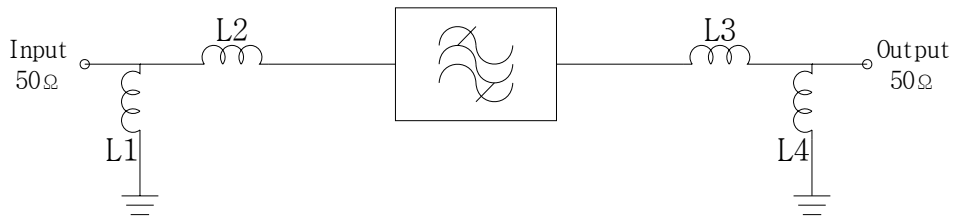
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|---|---|-----------|-------------|-----|
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| | | Rev. Date | 2006-06-21 | |
| | | Rev. | NW6003-CS01 | 2/5 |

SAW Bandpass Filter 260501B



4. Matching Schematic

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



L1 = L2 = L4 = 18 nH

L3 = 15 nH

5. Marking Configuration

ITF¹⁾ 06A001²⁾

260501B³⁾

1) Manufacturer name

2) Lot Number

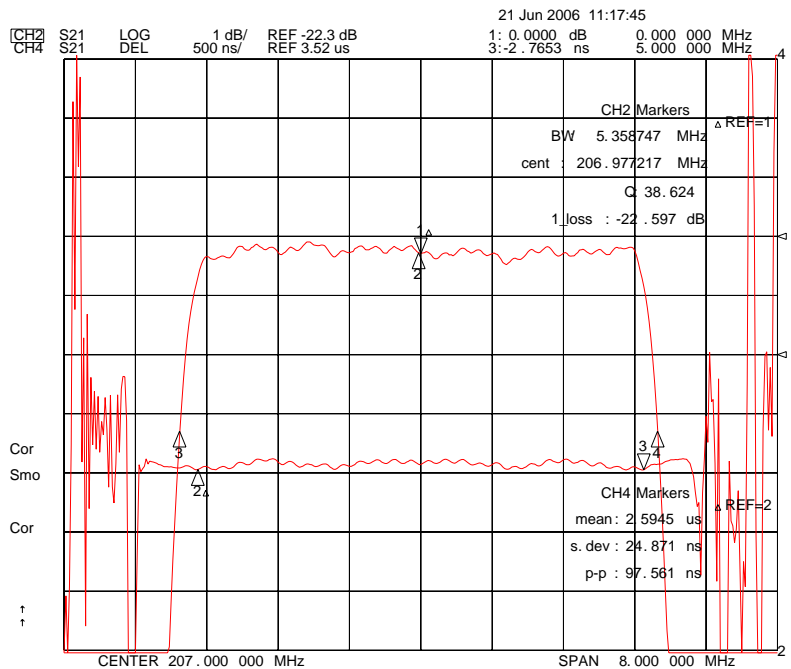
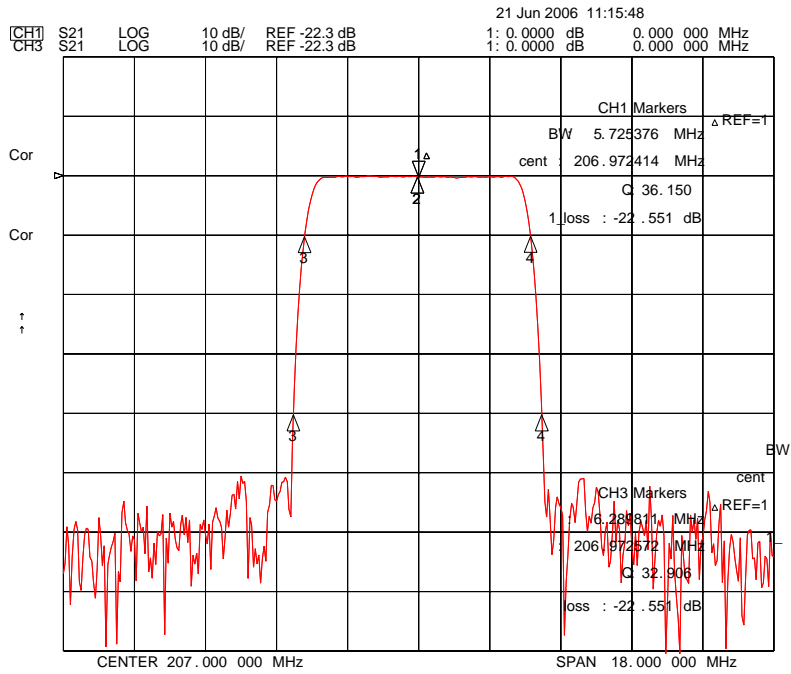
3) Part Number

| | | | | |
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| | | Rev. Date | 2006-06-21 | |
| | | Rev. | NW6003-CS01 | 3/5 |

SAW Bandpass Filter 260501B



6. Typical Performance (at +25°C)



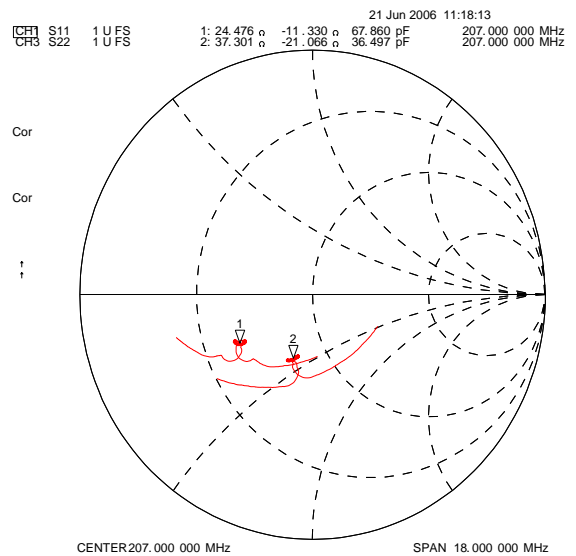
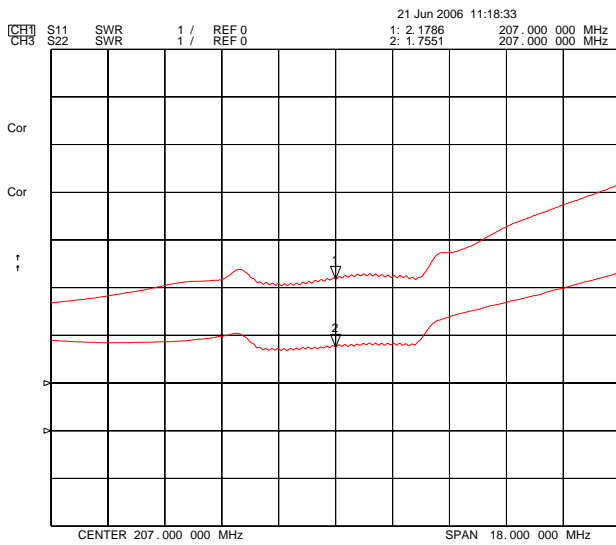
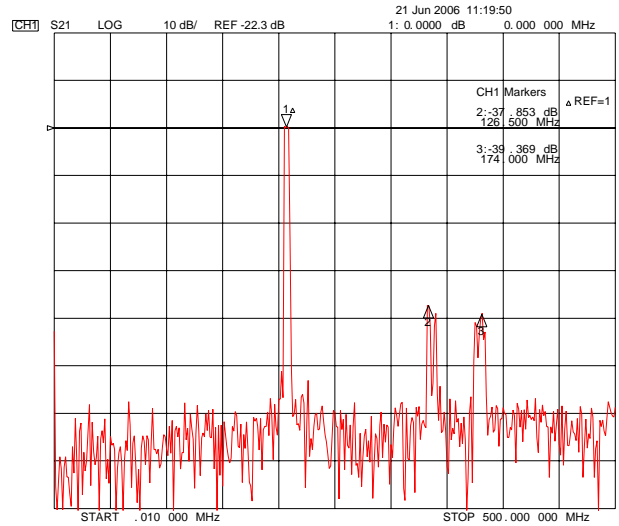
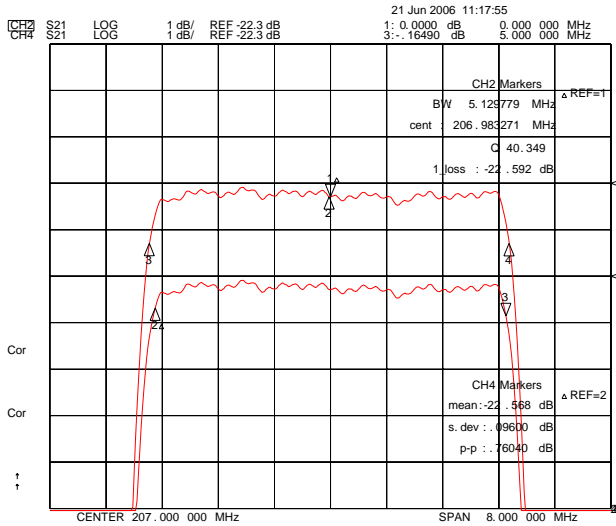
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Rev. NW6003-CS01 4/5

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| Rev. Date | 2006-06-21 | |
| Rev. | NW6003-CS01 | 5/5 |