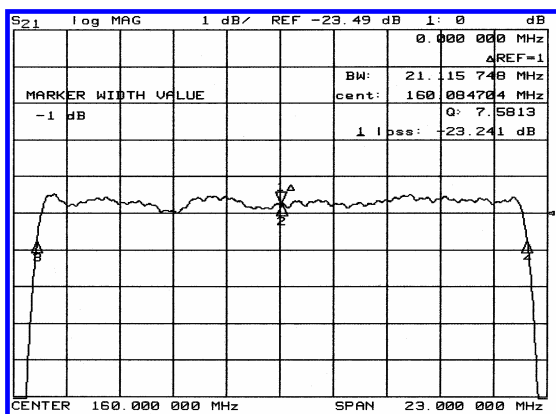
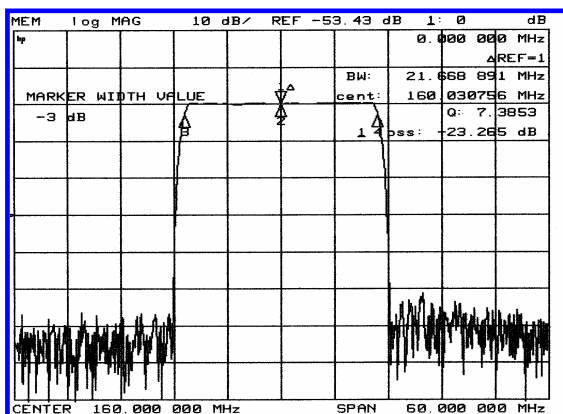


SGC Technologies Inc 160.0 MHz Bandpass Filter

21.5 MHz Bandwidth

512056

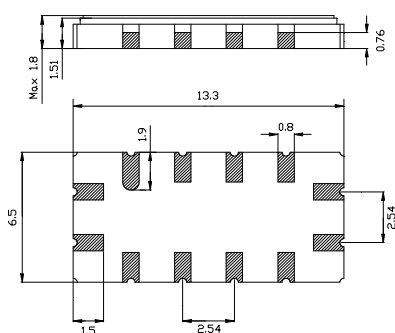
Typical Performance



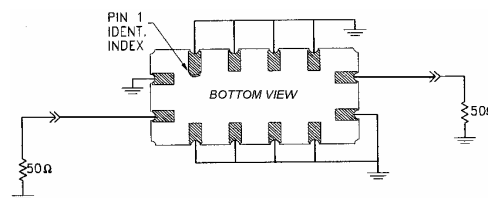
Specification

| Parameter | Unit | Min. | Typ. | Max. |
|-------------------------|--------|------------------------|--------|--------|
| Center Frequency | Mhz | 159.80 | 160.00 | 160.20 |
| Insertion Loss | dB | - | 23.0 | 24.5 |
| 1dB Bandwidth | Mhz | 21.00 | 21.11 | - |
| 3dB Bandwidth | Mhz | 21.50 | 21.66 | - |
| 40dB Bandwidth | Mhz | - | 24.00 | 24.30 |
| Passband Ripple | dB | - | 0.55 | 1.00 |
| Group Delay Variation | nsec | - | 50 | 100 |
| Absolute Delay | μsec | - | 1.4 | - |
| Ultimate Attenuation | dB | 50 | 55 | - |
| Substrate Material | - | 128-LiNbO ₃ | | |
| Temperature Coefficient | ppm/°C | -72 | | |

Package Dimension



Matching Configuration



No Matching required
 Source / Load Impedance = 50Ω
 Ambient Temperature = 25°C

10/17/2003