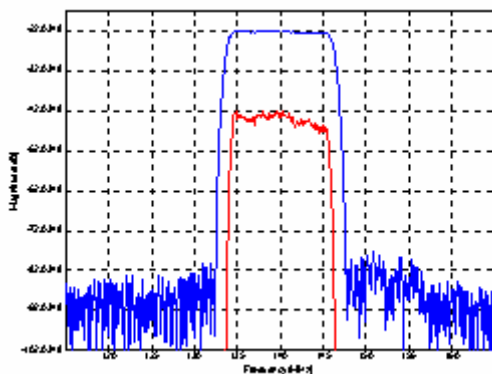




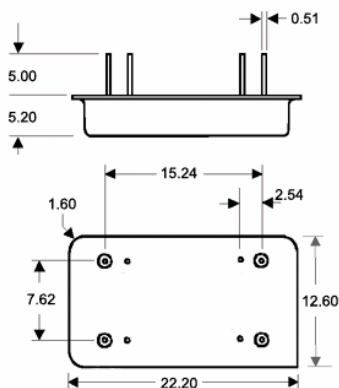
LBN14016 SAW Filter Electrical Characteristic

| <i>Specifications</i> | | | | |
|------------------------------|---|---------|---------|---------|
| Parameter | Unit | Minimum | Typical | Maximum |
| Center Frequency | MHz | 139.8 | 140 | 140.2 |
| Insertion Loss | dB | - | 22 | 25 |
| 1 dB Bandwidth | MHz | 11.10 | 11.45 | - |
| 3 dB Bandwidth | MHz | 12.00 | 12.18 | - |
| 40dB Bandwidth | MHz | - | 14.70 | 15.00 |
| 50dB Bandwidth | MHz | - | 14.97 | 15.50 |
| Passband variation | dB | - | 0.5 | 0.8 |
| Phase Linearity | degrees | - | 4.56 | 15 |
| Group Delay variation | nsec | - | 26 | 80 |
| Absolute Delay | usec | - | 1.587 | |
| Ultimate Rejection | dB | 50 | 55 | - |
| Substrate Material | YZ-LiNbO3 | | | |
| Ambient Temperature | °C | 25 | | |
| Package Size | DIP2212 (22.1x12.7x5.2mm ³) | | | |

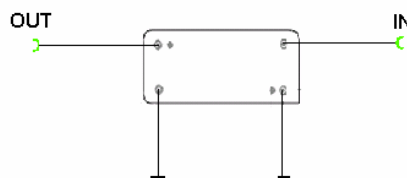
Typical Performance



Package Outline



Matching Configuration



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.