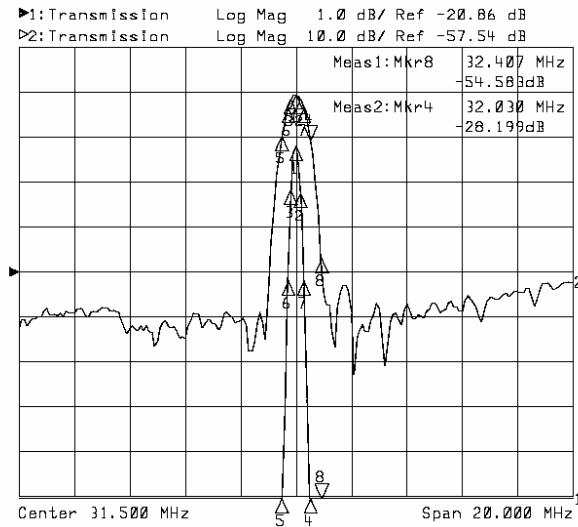
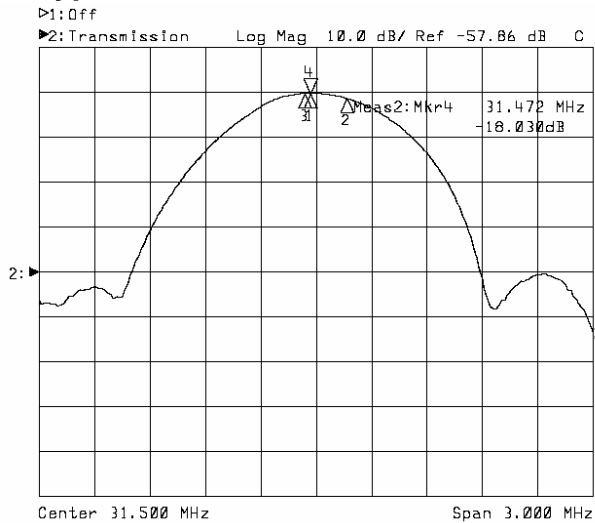


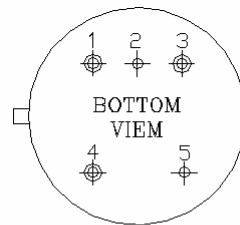
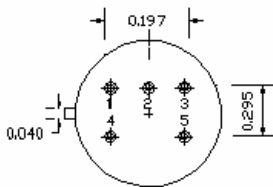
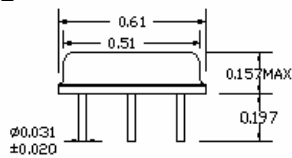
### 1. Specifications

| Parameter                        | Unit | Minimum | Typical            | Maximum |
|----------------------------------|------|---------|--------------------|---------|
| Center Frequency                 | MHz  | 31.00   | 31.50              | 32.00   |
| Insertion Loss at F <sub>0</sub> | dB   |         | 18.50              | 19.00   |
| 1 dB Bandwidth                   | MHz  | 0.33    | 0.35               |         |
| 3 dB Bandwidth                   | MHz  | 0.52    | 0.55               |         |
| 40dB Bandwidth                   | MHz  |         | 1.90               | 1.93    |
| Passband Variation               | dB   |         | 0.20               | 0.30    |
| Group Delay Variation            | nsec |         | 100                | 120     |
| Absolute Delay                   | usec |         | 2.80               | 2.82    |
| Ultimate Rejection               | dB   | 40      | 42                 |         |
| Substrate Material               | -    |         | LiTaO <sub>3</sub> |         |
| Ambient Temperature              | °C   | -40     | 25                 | 80      |

### 2. Typical Performance



### 3. Package



SFA02  
 IN: 4  
 OUT: 3  
 GND: 1,2,5

### 4. Marking

WLBD31.5-04