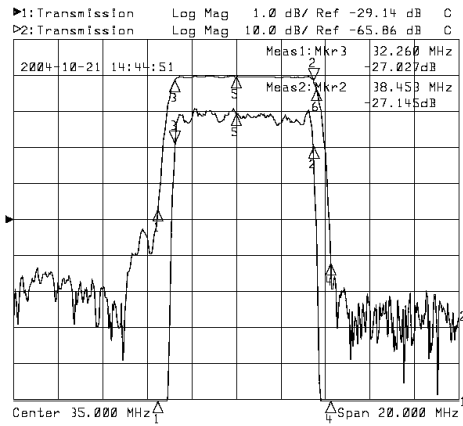


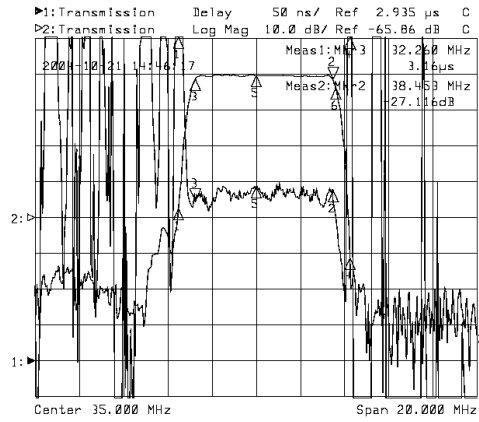
# 35.375MHz CATV Filter

## Part Number LBN38-7E

### Typical Performance



Horizontal: 2MHz/Div  
Vertical: 1dB/Div&10dB/Div

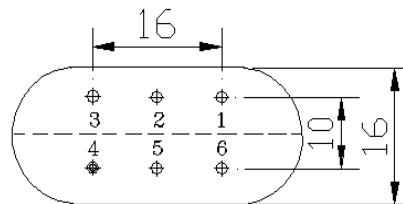
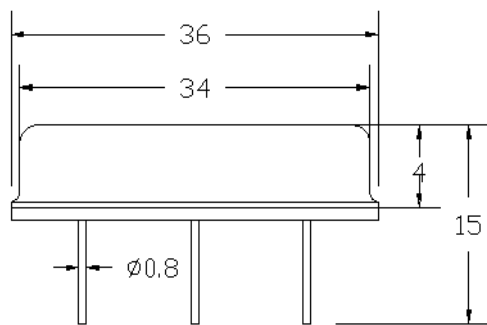


Horizontal: 2MHz/Div  
Vertical: 50nsec/Div&10dB/Div

### Specifications

| Parameter             | Unit | Minimum | Typical   | Maximum |
|-----------------------|------|---------|-----------|---------|
| Center Frequency      | MHz  | 35.370  | 35.375    | 35.380  |
| Insertion Loss at F0  | dB   |         | 25.50     | 26.50   |
| @31.50MHz             | dB   |         | -35.00    | -40.00  |
| @38.40MHz             | dB   | -0.80   | -1.00     |         |
| @39.25MHz             | dB   |         | -40.00    | -55.00  |
| @32.25MHz             | dB   | -0.80   | -1.00     |         |
| Passband Variation    | dB   |         | 0.40      | 0.60    |
| Group Delay Variation | nsec |         | 30        | 50      |
| Absolute Delay        | usec |         | 3.15      | 3.18    |
| Ultimate Rejection    | dB   | 52      | 60        |         |
| Substrate Material    | -    |         | 128LiNbO3 |         |
| Ambient Temperature   | °C   | -40     | 25        | 80      |

### Package



BOTTOM VIEW  
 IN:3 OUT:6  
 GND: 1,2,4,5