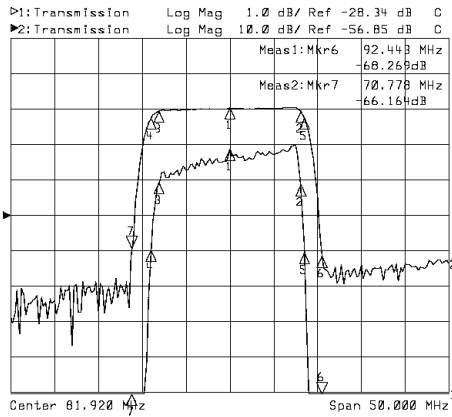


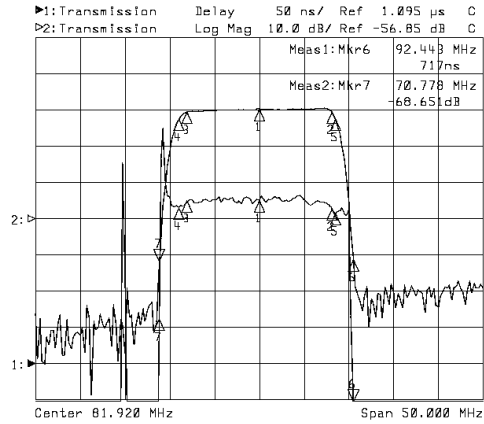
# 81MHz Standard Filter

## Part Number 081175

### Typical Performance



Horizontal: 5MHz/Div  
Vertical: 1dB/Div&10dB/Div

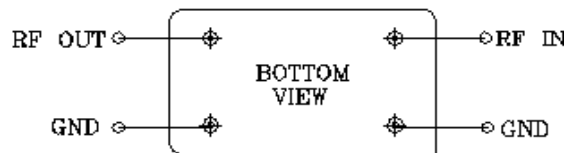
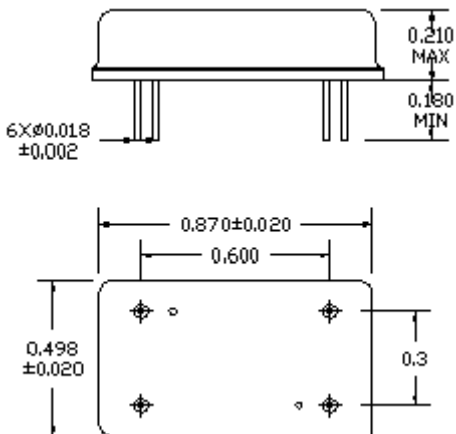


Horizontal: 5MHz/Div  
Vertical: 50nsec/Div&10dB/Div

### Specifications

| Parameter                        | Unit | Minimum | Typical   | Maximum |
|----------------------------------|------|---------|-----------|---------|
| Center Frequency                 | MHz  | 81.70   | 81.90     | 82.10   |
| Insertion Loss at F <sub>0</sub> | dB   |         | 27.02     | 28.01   |
| 1 dB Bandwidth                   | MHz  | 15.70   | 16.10     |         |
| 3 dB Bandwidth                   | MHz  | 17.00   | 17.50     |         |
| 40dB Bandwidth                   | MHz  |         | 21.70     | 22.13   |
| Passband Variation               | dB   |         | 1.00      | 1.20    |
| Group Delay Variation            | nsec |         | 30        | 50      |
| Absolute Delay                   | usec |         | 1.32      | 1.35    |
| Ultimate Rejection               | dB   | 48      | 50        |         |
| Substrate Material               | -    |         | 128LiNbO3 |         |
| Ambient Temperature              | °C   | -40     | 25        | 80      |

### Package



No Matching Required  
 Source/Load Impedance=50ohm  
 Package Style XI