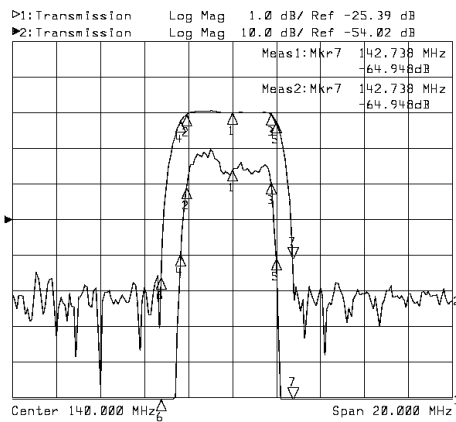


# 140MHz Standard Filter

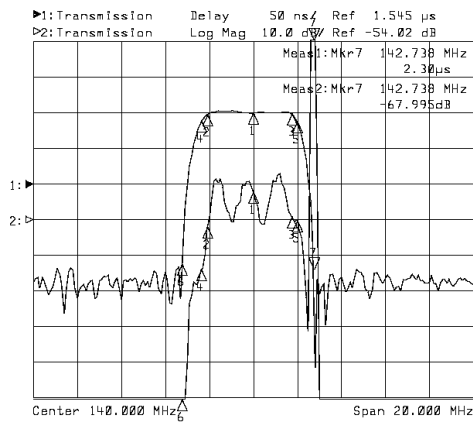
Part Number SF-7A

## Typical Performance



Horizontal: 2.0MHz/Div

Vertical: 1db & 10dB/Div



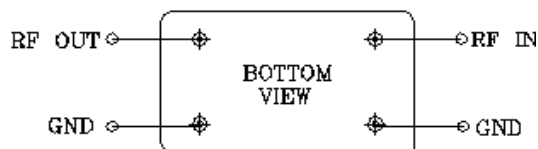
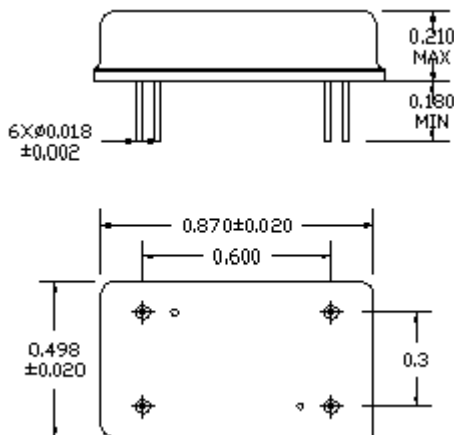
Horizontal: 2.0MHz/Div

Vertical: 50nsec/Div

## Specifications

| Parameter               | Unit | Minimum | Typical | Maximum |
|-------------------------|------|---------|---------|---------|
| Center Frequency        | MHz  | 139.85  | 140.0   | 140.15  |
| Insertion Loss at $F_0$ | dB   |         | 24      | 24.5    |
| 1 dB Bandwidth          | MHz  | 3.75    | 3.83    |         |
| 3 dB Bandwidth          | MHz  | 4.1     | 4.33    |         |
| 40dB Bandwidth          | MHz  |         | 5.95    | 6       |
| Passband Variation      | dB   |         | 0.6     | 0.8     |
| Group Delay Variation   | nsec |         | 100     | 120     |
| Absolute Delay          | usec |         | 1.55    |         |
| Ultimate Rejection      | dB   | 48      | 50      |         |
| Substrate Material      | -    |         | LiTaO3  |         |
| Ambient Temperature     | °C   |         | 25      |         |

## Package



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