

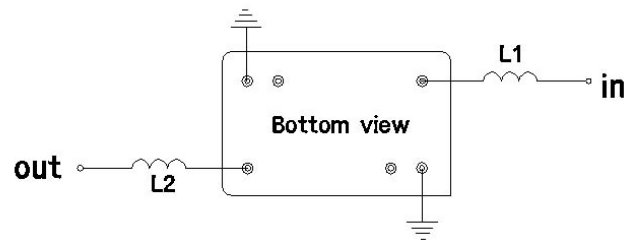
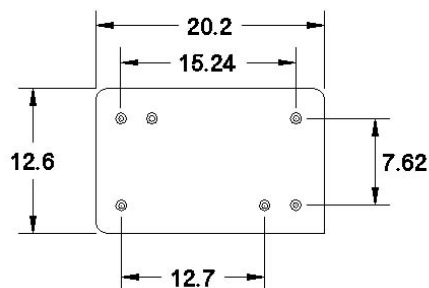
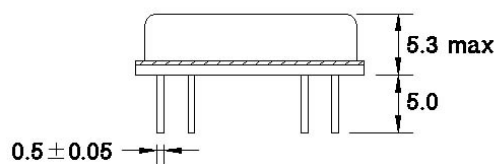
# 140 MHz/34 MHz B/W SAW Filter

# 162948

## Specifications

| Parameter             | Unit | Min    | Typical | Max    |
|-----------------------|------|--------|---------|--------|
| Center Frequency      | MHz  | 139.75 | 140.0   | 140.25 |
| Insertion Loss        | dB   |        | 22.2    | 24.0   |
| 1dB Bandwidth         | MHz  | 33.0   | 34.0    |        |
| 3dB Bandwidth         | MHz  | 34.0   | 35.4    |        |
| 40dB Bandwidth        | MHz  |        | 40.4    | 42.0   |
| Passband Ripple       | dB   |        | 0.65    | 1.0    |
| Group Delay Variation | nsec |        | 20      | 50     |
| Phase Linearity       | deg  |        | 7.5     | 10.0   |
| Absolute Delay        | μsec |        | 0.96    |        |
| Ultimate Rejection    | dB   | 50     | 60      |        |
| Substrate Material    |      |        | LN      |        |
| Ambient Temperature   | °C   |        | 25      |        |

## Package Outline



L1 = 68 nH , L2 = 82 nH

Source/Load Impedance = 50 Ω

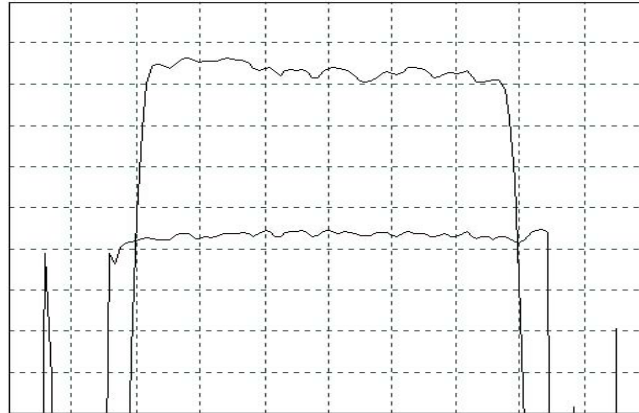
SAW PRODUCTS

COM DEV

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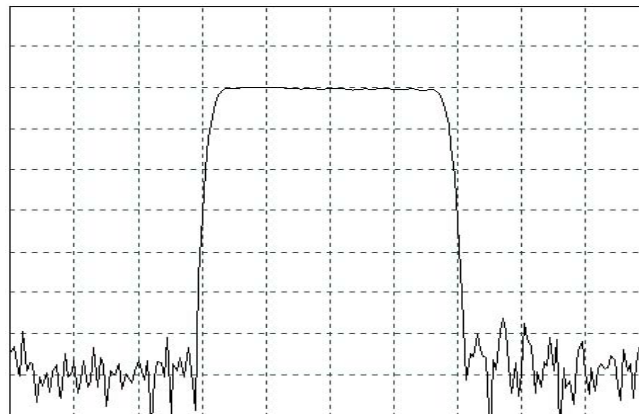
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## Typical Performance – Narrowband



Horizontal : 6.0 MHz/Div  
Vertical : 1 dB/Div  
Vertical : 50 ns/Div

## Typical Performance – Wideband



Horizontal : 10.0 MHz/Div  
Vertical : 10 dB/Div

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