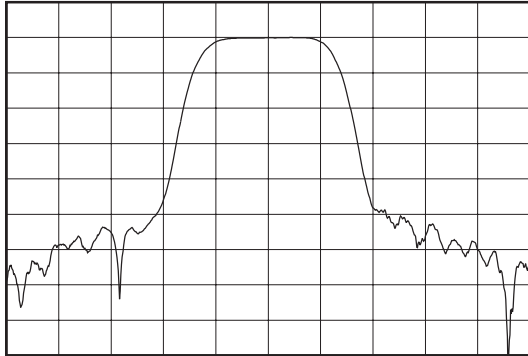
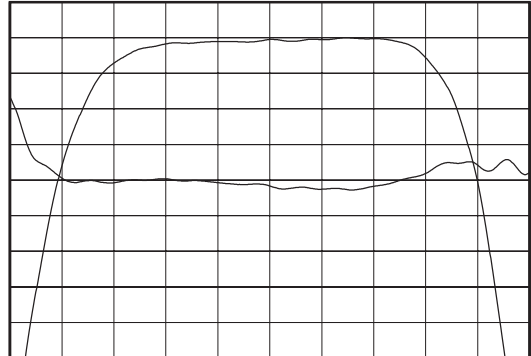


Data Sheet

Typical Performance



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

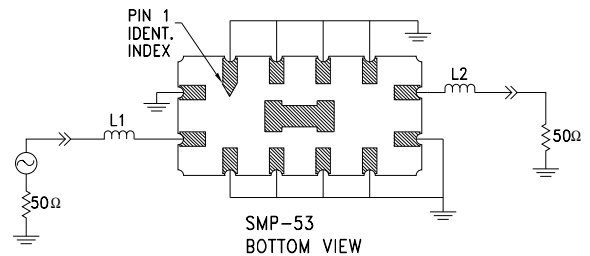
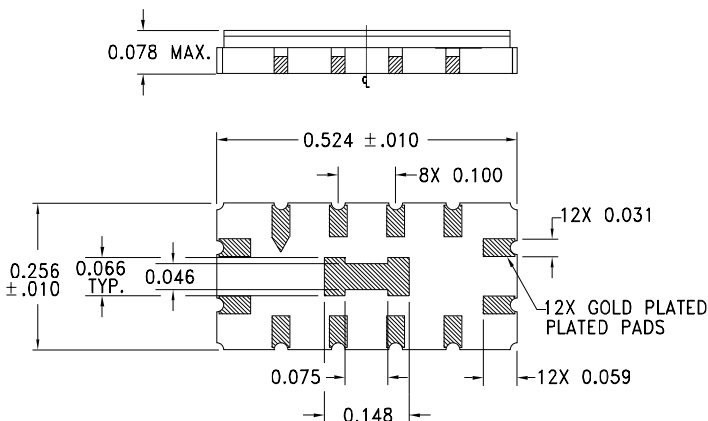


Horizontal: 600 kHz/Div
Vertical: 1 dB/Div
Vertical: 5 deg/Div

Specifications

| Parameter | Unit | Minimum | Typical | Maximum |
|--------------------------------|-------------------|---------|---------|---------|
| Center Frequency f_o | MHz | 139.6 | 140 | 140.4 |
| Insertion Loss at f_o | dB | - | 10.85 | 12.5 |
| 1 dB Bandwidth | MHz | 3.4 | 3.9 | - |
| 3 dB Bandwidth | MHz | 4 | 4.6 | - |
| 40 dB Bandwidth | MHz | - | 7.46 | 9.1 |
| Passband Ripple(80% of 3dB BW) | dB | - | 0.42 | 1 |
| Phase Linearity(80% of 3dB BW) | degrees | - | 2 | 6 |
| Delay Variation(80% of 3dB BW) | nsec | - | 27 | 100 |
| Absolute Delay | μ sec | - | 1.2 | - |
| Substrate Material | - | - | LiTaO | - |
| Temperature Shift | ppm/ $^{\circ}$ C | - | -72 | - |
| Ambient Temperature | $^{\circ}$ C | - | 25 | - |

Package Outline Matching Configuration



$L1 = 82 \text{ nH}$, $L2 = 68 \text{ nH}$
Nominal Source/Load Impedance = 50Ω
Package Style SMP-53

12/2/99