

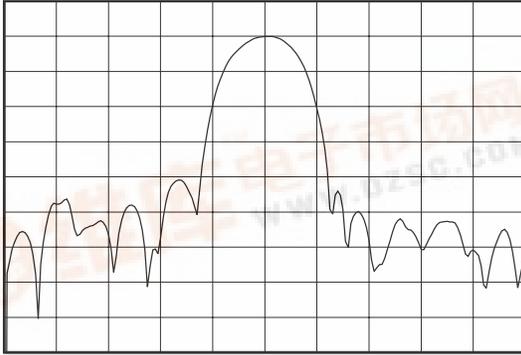


110.592 Low-Loss Filter

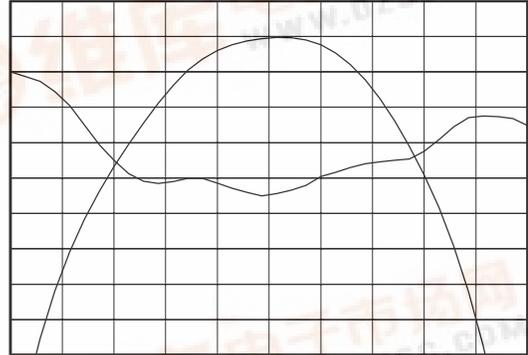
1 MHz Bandwidth
Part Number 855659

Data Sheet

Typical Performance



Horizontal: 800 kHz/Div
Vertical: 10 dB/Div



Horizontal: 140 kHz/Div
Vertical: 1 dB/Div
Vertical: 100 nsec/Div

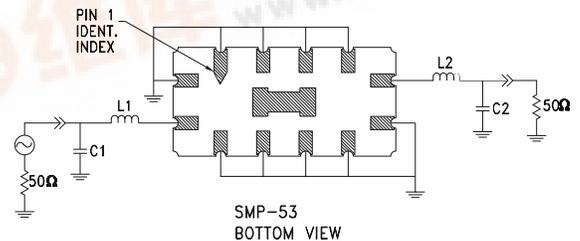
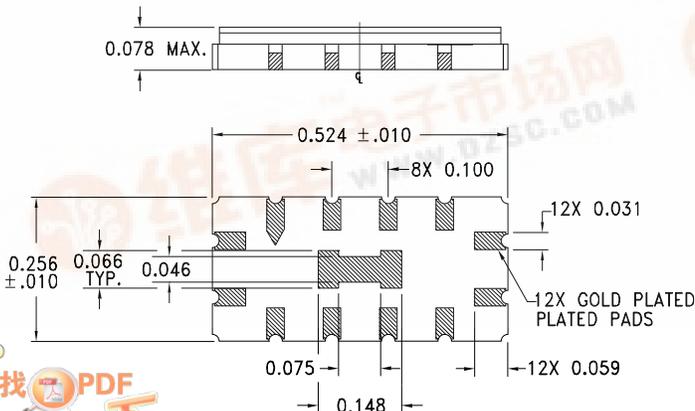
Specifications

| Parameter | Unit | Minimum | Typical | Maximum |
|--|------|---------|---------|---------|
| Center Frequency | MHz | - | 110.592 | - |
| Insertion Loss | dB | 4.7 | 6.52 | 7.7 |
| 3 dB Bandwidth | MHz | - | 0.79 | 1 |
| 30 dB Bandwidth | MHz | - | 1.83 | 2.6 |
| 40 dB Bandwidth | MHz | - | 2 | 4.8 |
| Amplitude Ripple (110.442 - 110.742 MHz) | dB | - | 0.25 | 0.6 |
| Group Delay Variation(110.392 - 110.792 MHz) | nsec | - | 100 | 150 |
| Triple Transit Level | dB | 32 | 38 | - |
| Input/Output Return Loss (fo ± 200 kHz) | dB | 7.5 | 10 | - |
| Substrate Material | - | - | Quartz | - |
| Operating Temperature Range | °C | -40 | 25 | 85 |

Package Outline

Matching Configuration

Specifications subject to change or obsolescence without notice.



L1 = 172 nH, L2 = 150 nH
C1 = 39 pf, C2 = 56 pf
Nominal Source/Load Impedance = 50 Ω
Package Style SMP 53

6/29/00

