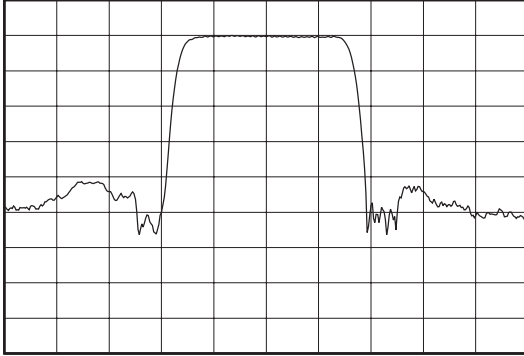
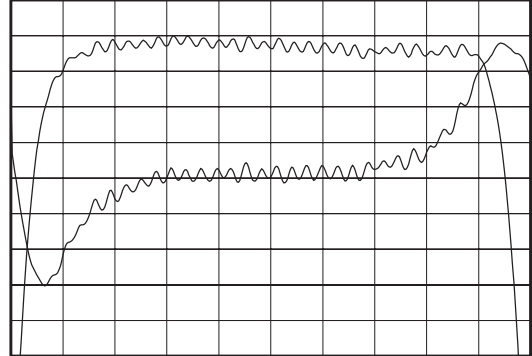


## Data Sheet

### Typical Performance



Horizontal: 6 MHz/Div  
Vertical: 10 dB/Div

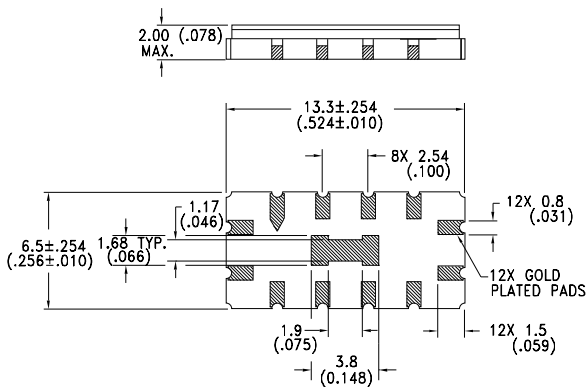


Horizontal: 2.1 MHz/Div  
Vertical: 1 dB/Div  
Vertical: 5 deg/Div

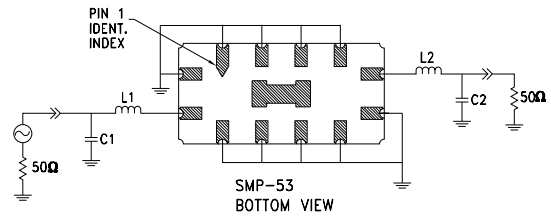
### Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency $f_0$	MHz	139.6	140	140.4
Insertion Loss at $f_0$	dB	-	9.1	12
1 dB Bandwidth	MHz	17.25	17.69	-
3 dB Bandwidth	MHz	18	18.84	-
35 dB Bandwidth	Mhz	-	22.79	24.1
40 dB Bandwidth	MHz	-	22.79	48
Passband Ripple(80% of 3 dB BW)	dB	-	0.63	1
Phase Linearity(80% of 3 dB BW)	degrees	-	6	10
Delay Variation(80% of 3 dB BW)	nsec	-	64	120
Substrate Material	-	-	YZ LiNbO <sub>3</sub>	-
Temperature Shift	ppm/°C	-	-94	-
Ambient Temperature	°C	-	25	-

### Package Outline



### Matching Configuration



L1 = 120 nH, L2 = 120 nH  
C1 = 22 pf, C2 = 10 pf  
Nominal Source/Load Impedance = 50Ω  
Package Style SMP-53

12/2/99