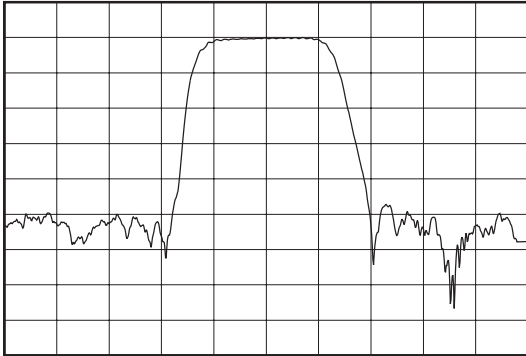
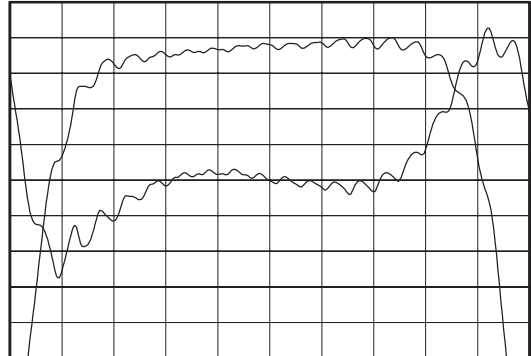


**Data Sheet**

**Typical Performance**



Horizontal: 3 MHz/Div  
Vertical: 10 dB/Div

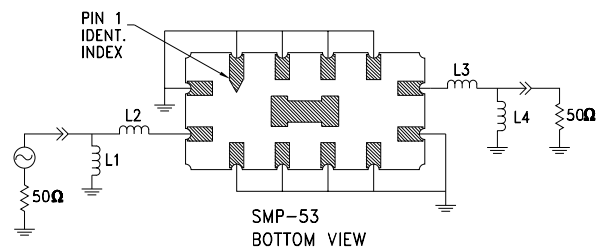
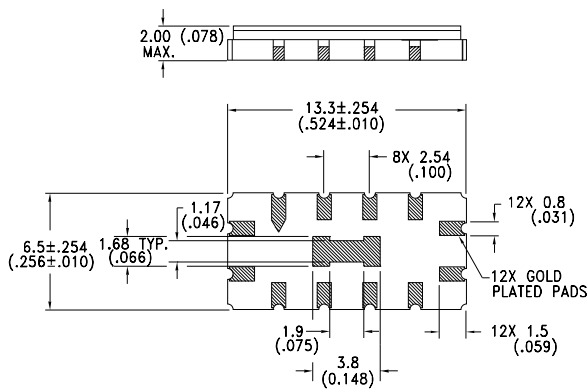


Horizontal: 0.9 MHz/Div  
Vertical: 1 dB/Div  
Vertical: 5 deg/Div

**Specifications**

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency $f_o$	MHz	139.6	140	140.4
Insertion Loss at $f_o$	dB	-	5.5	7.5
1 dB Bandwidth	MHz	5.8	6.1	-
3 dB Bandwidth	MHz	6.85	7.148	-
40 dB Bandwidth	MHz	-	10.58	11.1
Passband Ripple(70% of 3dB BW)	dB	-	0.67	1
Phase Linearity(70% of 3dB BW)	deg	-	6	14
Delay Variation(70% of 3dB BW)	nsec	-	96	200
Absolute Delay	$\mu$ sec	-	1.1	-
Substrate Material	-	-	YZ LiNbO <sub>3</sub>	-
Temperature Shift	ppm/ $^{\circ}$ C	-	-94	-
Ambient Temperature	$^{\circ}$ C	-	25	-

**Package Outline      Matching Configuration**



L1 = 47 nH, L2 = 22 nH  
L3 = 47 nH, L4 = 68 nH  
Nominal Source/Load Impedance = 50 $\Omega$   
Package Style SMP-53

12/2/99