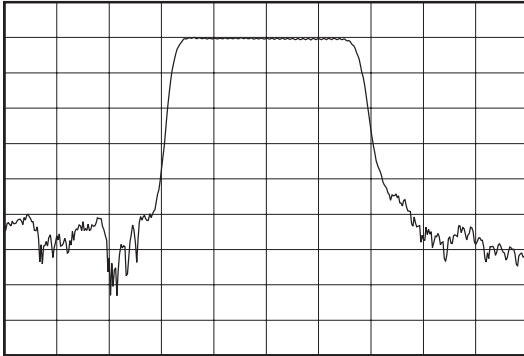
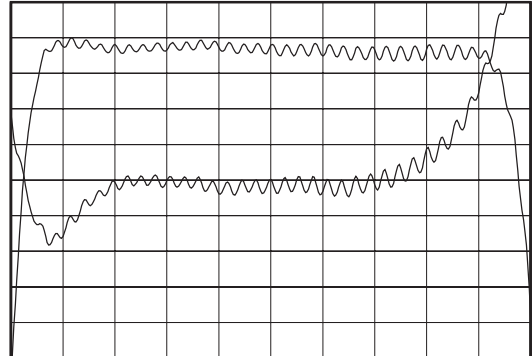


Data Sheet

Typical Performance



Horizontal: 5 MHz/Div  
 Vertical: 10 dB/Div

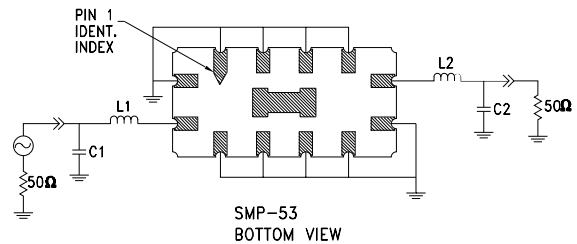
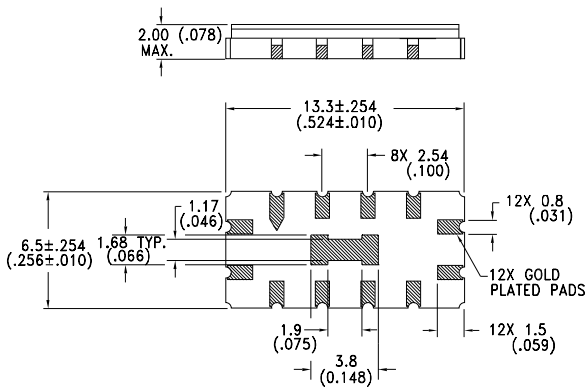


Horizontal: 1.8 MHz/Div  
 Vertical: 1 dB/Div  
 Vertical: 5 deg/Div

Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency $f_o$	MHz	139.6	140	140.4
Insertion Loss at $f_o$	dB	-	8.4	13
1 dB Bandwidth	MHz	15	16	-
3 dB Bandwidth	MHz	16	16.9	-
35 dB Bandwidth	MHz	-	21.17	22
Passband Ripple(80% of 3 dB BW)	dB	-	0.6	1
Phase Linearity(80% of 3dB BW)	deg	-	10	14
Delay Variation(80% of 3dB BW)	nsec	-	105	160
Absolute Delay	$\mu$ sec	-	1.02	-
Substrate Material	-	-	YZ LiNbO <sub>3</sub>	-
Temperature Shift	ppm/ $^{\circ}$ C	-	-94	-
Ambient Temperature	$^{\circ}$ C	-	25	-

Package Outline      Matching Configuration



L1 = 94 nH, L2 = 112 nH  
 C1 = 39 pf, C2 = 39 pf  
 Nominal Source/Load Impedance = 50 $\Omega$   
 Package Style SMP-53

12/9/99