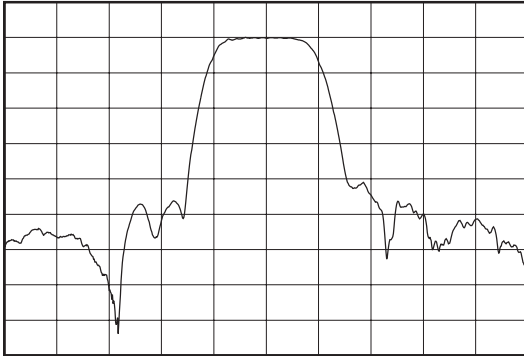
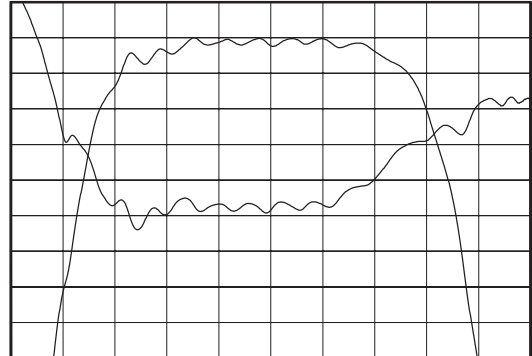


**Typical Performance**



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



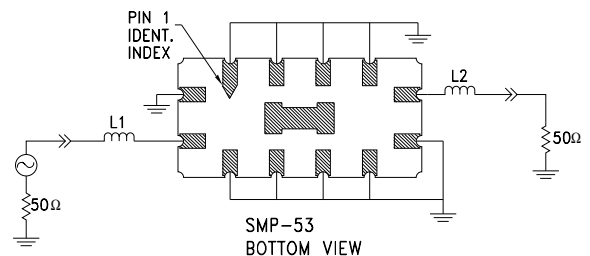
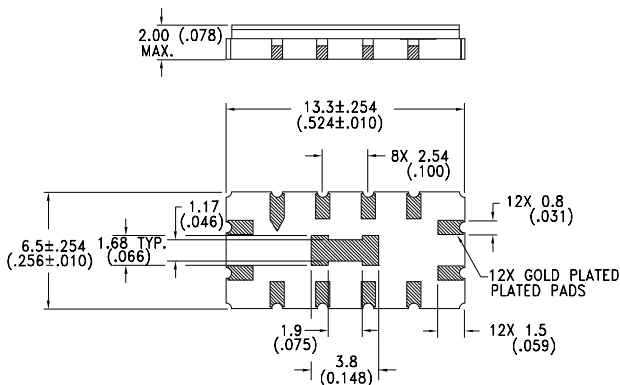
Horizontal: 800 kHz/Div  
Vertical: 1 dB/Div  
Vertical: 5 deg/Div

**Specifications**

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.8	70	70.2
Insertion Loss at $F_0$	dB	-	7.25	8
1 dB Bandwidth	MHz	4.35	4.45	-
3 dB Bandwidth	MHz	5	5.35	-
40 dB Bandwidth	MHz	-	9.35	10.25
Passband Ripple	dB	-	0.6	1
Phase Linearity (80% of 3dB Bandwidth)	deg	-	8	9.5
Group Delay Variation (80% of 3dB Bandwidth)	nsec	-	90	125
Absolute Delay	$\mu$ sec	-	0.96	-
Substrate Material	-	-	YZ LiNbO <sub>3</sub>	-
Temperature Coefficient	ppm/ $^{\circ}$ C	-	-94	-
Ambient Temperature	$^{\circ}$ C	-	25	-

**Package Outline**

**Matching Configuration**



L1 = 180nH, L2 = 150nH  
Nominal Source/Load Impedance = 50 $\Omega$   
Package Style SMP-53

11/24/99