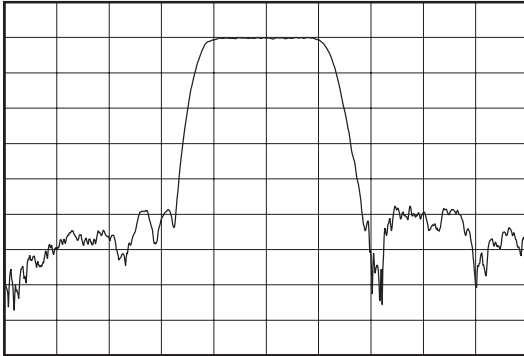
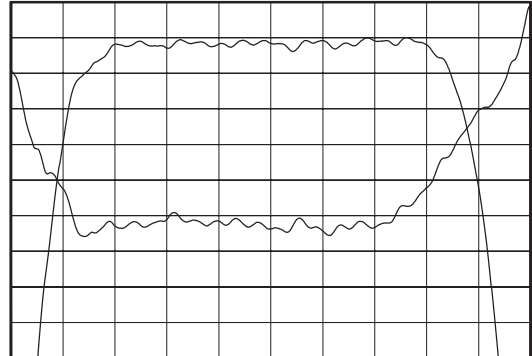


**Typical Performance**



Horizontal: 4 MHz/Div  
Vertical: 10 dB/Div

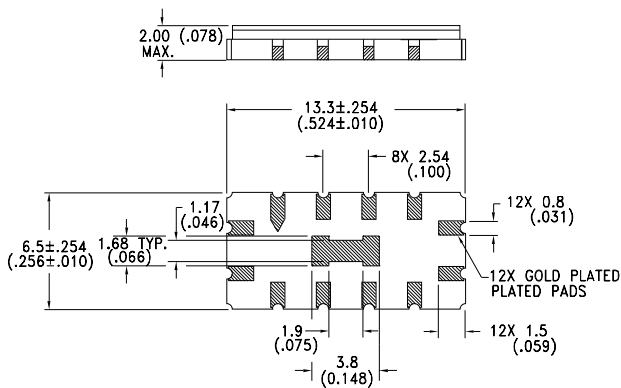


Horizontal: 1.2 MHz/Div  
Vertical: 1 dB/Div  
Vertical: 5 deg/Div

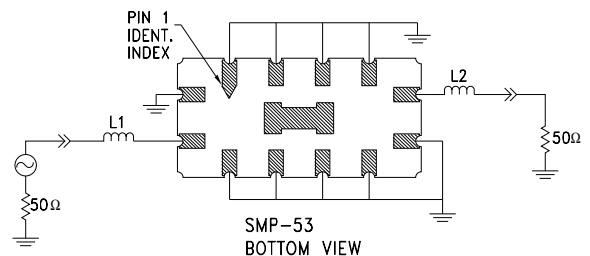
**Specifications**

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.8	70	70.2
Insertion Loss at $F_0$	dB	-	9.75	10.5
1 dB Bandwidth	MHz	8.4	8.6	-
3 dB Bandwidth	MHz	9	9.4	-
40 dB Bandwidth	MHz	-	13.9	14.5
Passband Ripple	dB	-	0.8	1
Phase Linearity (90% of 3dB Bandwidth)	deg	-	9.5	11.5
Group Delay Variation (90% of 3dB Bandwidth)	nsec	-	70	95
Absolute Delay	$\mu$ sec	-	1.05	-
Substrate Material	-	-	YZ LiNbO <sub>3</sub>	-
Temperature Coefficient	ppm/ $^{\circ}$ C	-	-94	-
Ambient Temperature	$^{\circ}$ C	-	25	-

**Package Outline**



**Matching Configuration**



L1 = 150nH, L2 = 100nH  
Nominal Source/Load Impedance = 50 $\Omega$   
Package Style SMP-53

11/29/99