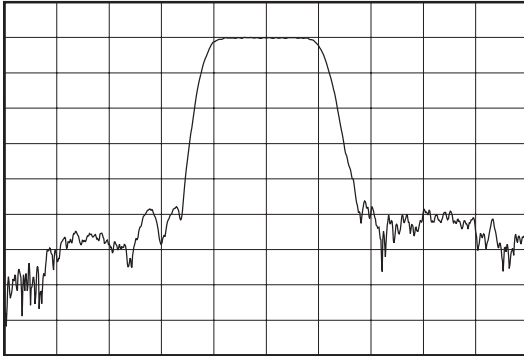
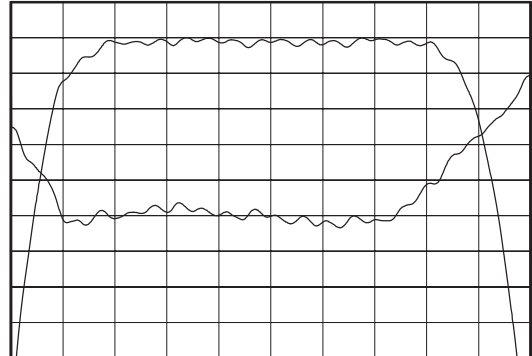


# Data Sheet

## Typical Performance



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

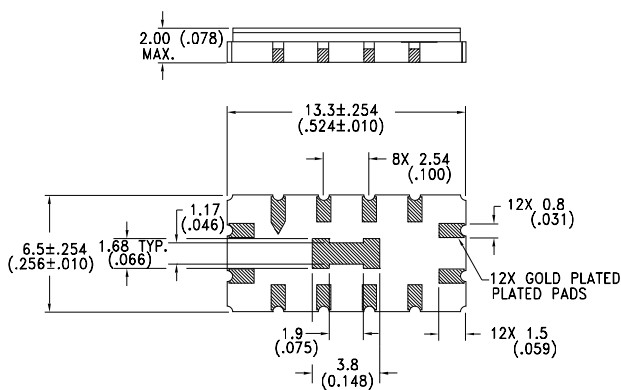


Horizontal: 1 MHz/Div  
Vertical: 1 dB/Div  
Vertical: 5 deg/Div

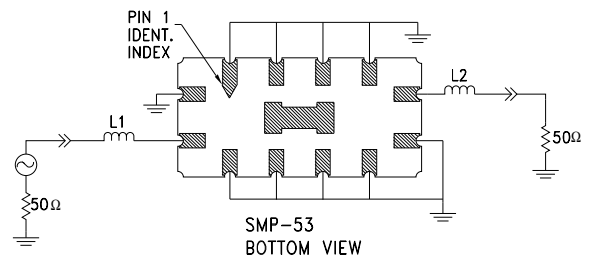
## Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.8	70	70.2
Insertion Loss at $F_0$	dB	-	9	10
1 dB Bandwidth	MHz	7.35	7.6	-
3 dB Bandwidth	MHz	8	8.4	-
40 dB Bandwidth	MHz	-	13.25	14.25
Passband Ripple	dB	-	0.9	1
Phase Linearity (80% of 3dB Bandwidth)	deg	-	9.25	11
Group Delay Variation (80% of 3dB Bandwidth)	nsec	-	75	100
Absolute Delay	μsec	-	1.05	-
Substrate Material	-	-	YZ LiNbO <sub>3</sub>	-
Temperature Coefficient	ppm/°C	-	-94	-
Ambient Temperature	°C	-	25	-

## Package Outline



## Matching Configuration



L1 = 150nH, L2 = 120nH  
Nominal Source/Load Impedance = 50Ω  
Package Style SMP-53

11/29/99