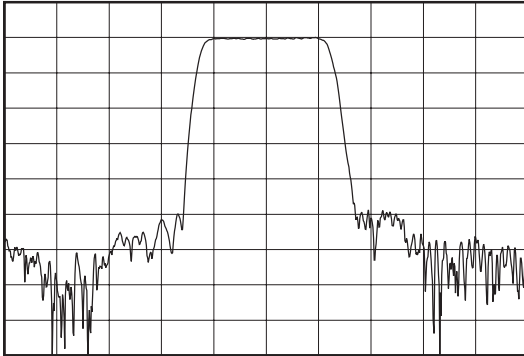
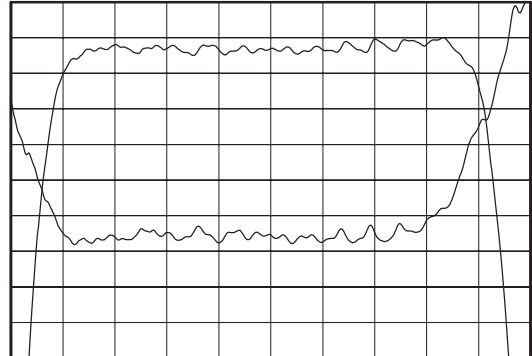


Data Sheet

Typical Performance



Horizontal: 6 MHz/Div  
Vertical: 10 dB/Div



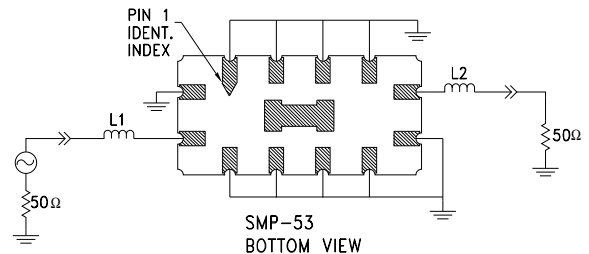
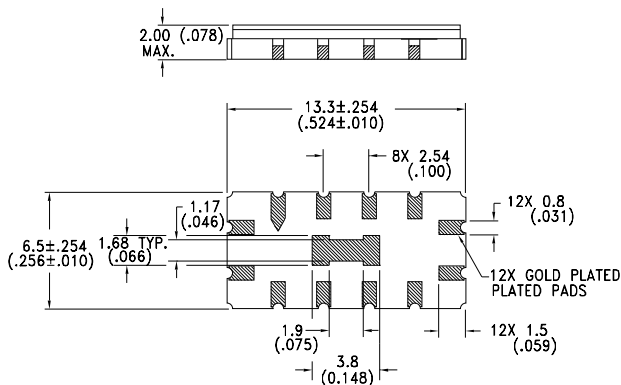
Horizontal: 1.7 MHz/Div  
Vertical: 1 dB/Div  
Vertical: 5 deg/Div

Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.8	70	70.2
Insertion Loss at $F_o$	dB	-	12.5	13
1 dB Bandwidth	MHz	13.35	13.55	-
3 dB Bandwidth	MHz	14	14.45	-
40 dB Bandwidth	MHz	-	19.5	20.25
Passband Ripple	dB	-	0.7	1
Phase Linearity (90% of 3dB Bandwidth)	deg	-	9	11.5
Group Delay Variation (90% of 3dB Bandwidth)	nsec	-	65	90
Absolute Delay	$\mu$ sec	-	1.07	-
Substrate Material	-	-	YZ LiNbO <sub>3</sub>	-
Temperature Coefficient	ppm/ $^{\circ}$ C	-	-94	-
Ambient Temperature	$^{\circ}$ C	-	25	-

Package Outline

Matching Configuration



$L1 = 100\text{nH}$ ,  $L2 = 120\text{nH}$   
Nominal Source/Load Impedance =  $50\Omega$   
Package Style SMP-53

11/29/99