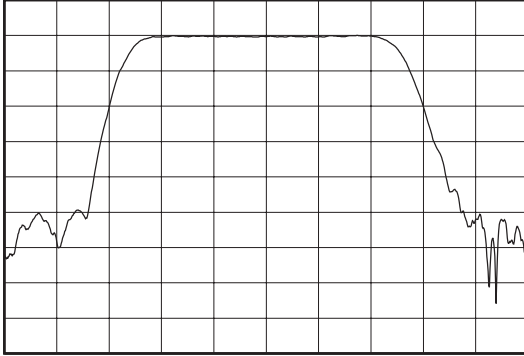
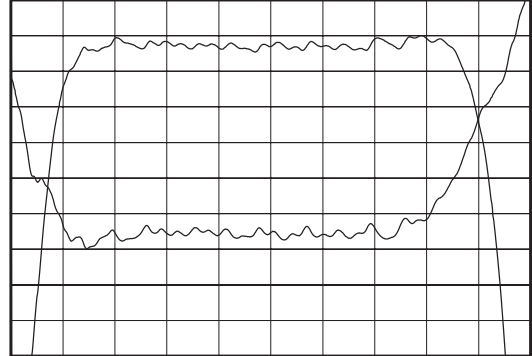


Data Sheet

Typical Performance



Horizontal: 2.5 MHz/Div
Vertical: 10 dB/Div

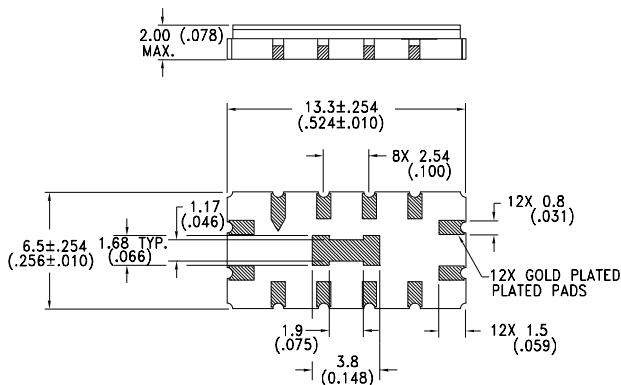


Horizontal: 1.5 MHz/Div
Vertical: 1 dB/Div
Vertical: 5 deg/Div

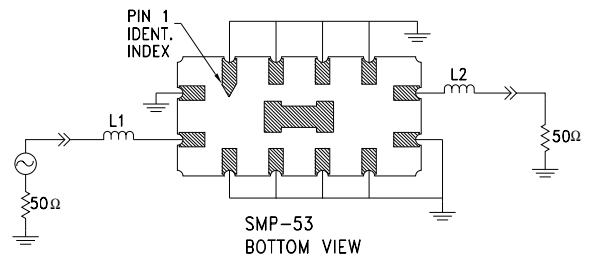
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.8	70	70.2
Insertion Loss at F_o	dB	-	11.5	12.5
1 dB Bandwidth	MHz	11.45	11.65	-
3 dB Bandwidth	MHz	12	12.5	-
40 dB Bandwidth	MHz	-	17.35	18.25
Passband Ripple	dB	-	0.6	1
Phase Linearity 90% of 3dB Bandwidth	deg	-	9	11.5
Group Delay Variation 90% of 3dB Bandwidth	nsec	-	70	90
Absolute Delay	μ sec	-	1.08	-
Substrate Material	-	-	YZ LiNbO ₃	-
Temperature Coefficient	ppm/ $^{\circ}$ C	-	-94	-
Ambient Temperature	$^{\circ}$ C	-	25	-

Package Outline



Matching Configuration



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

11/29/99