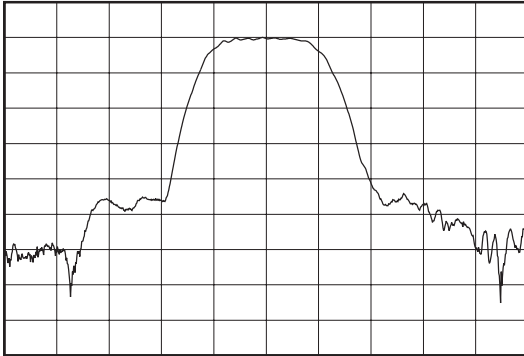
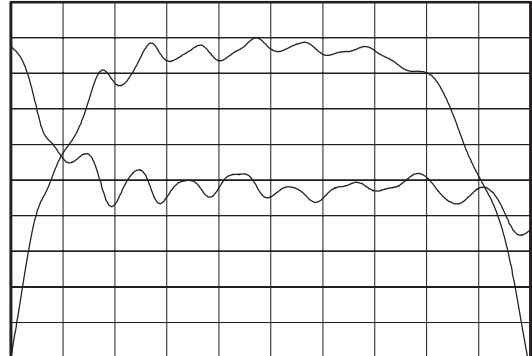


Data Sheet

Typical Performance



Horizontal: 2 MHz/Div
Vertical: 10 dB/Div

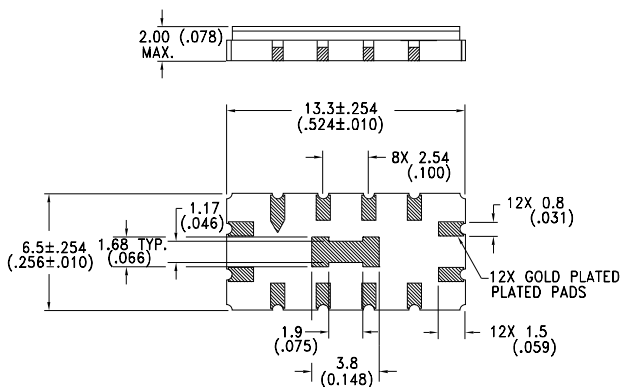


Horizontal: 500 kHz/Div
Vertical: 1 dB/Div
Vertical: 5 deg/Div

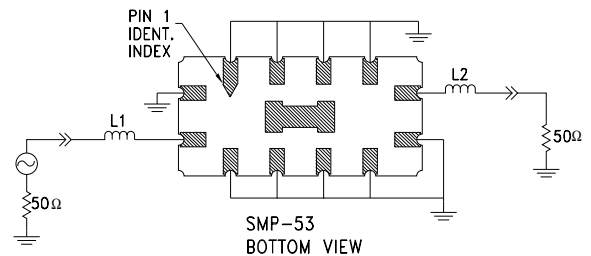
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.85	70	70.15
Insertion Loss at F_0	dB	-	7.25	7.7
1 dB Bandwidth	MHz	2.85	3.25	-
3 dB Bandwidth	MHz	3.5	3.8	-
35 dB Bandwidth	MHz	-	7.2	7.75
Passband Ripple	dB	-	0.8	1
Phase Linearity (70% of 3dB Bandwidth)	deg	-	3.6	5.25
Group Delay Variation (70% of 3dB Bandwidth)	nsec	-	125	175
Absolute Delay	μ sec	-	0.96	-
Substrate Material	-	-	YZ LiNbO ₃	-
Temperature Coefficient	ppm/ $^{\circ}$ C	-	-94	-
Ambient Temperature	$^{\circ}$ C	-	25	-

Package Outline



Matching Configuration



$L1 = 220\text{nH}$, $L2 = 100\text{nH}$
Nominal Source/Load Impedance = 50Ω
Package Style SMP-53

11/24/99