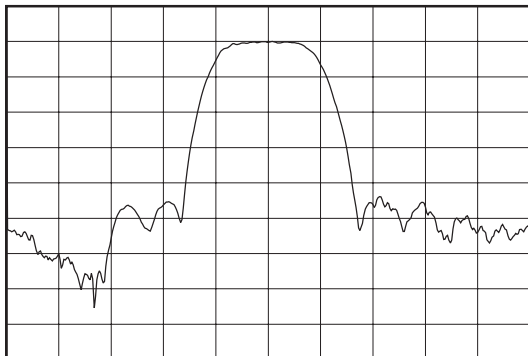
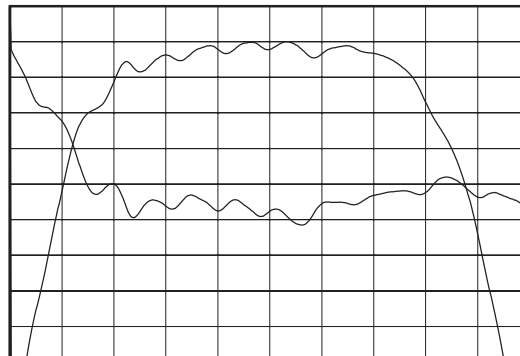


Typical Performance



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

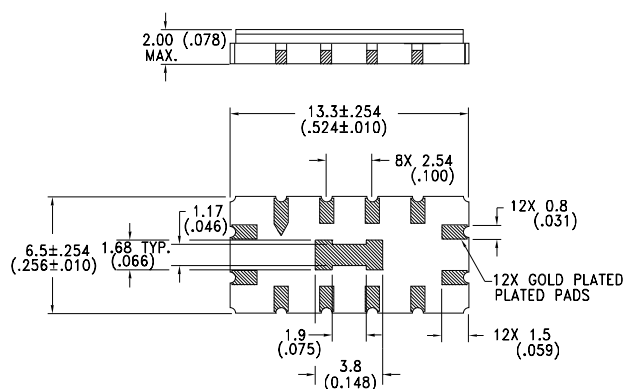


Horizontal: 600 kHz/Div
Vertical: 1 dB/Div
Vertical: 5 deg/Div

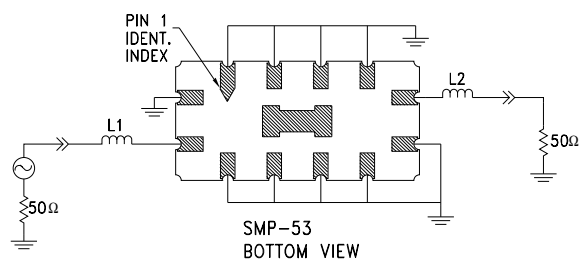
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.85	70	70.15
Insertion Loss at F_o	dB	-	6.8	7.5
1 dB Bandwidth	MHz	3.4	3.55	-
3 dB Bandwidth	MHz	4	4.45	-
40 dB Bandwidth	MHz	-	8.25	9.1
Passband Ripple	dB	-	0.7	1
Phase Linearity (70% of 3dB Bandwidth)	deg	-	4.75	6
Group Delay Variation (70% of 3dB Bandwidth)	nsec	-	90	150
Absolute Delay	μsec	-	0.95	-
Substrate Material	-	-	YZ LiNbO ₃	-
Temperature Coefficient	ppm/°C	-	-94	-
Ambient Temperature	°C	-	25	-

Package Outline



Matching Configuration



$L1 = 180\text{nH}$, $L2 = 120\text{nH}$
Nominal Source/Load Impedance = 50Ω
Package Style SMP-53

11/24/99