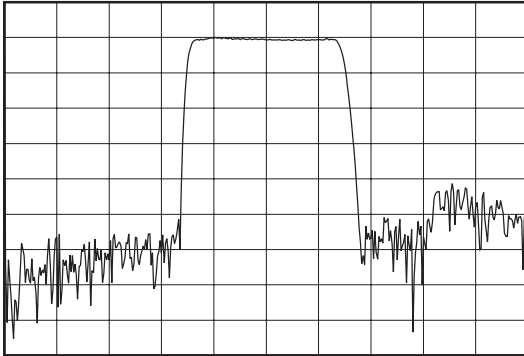
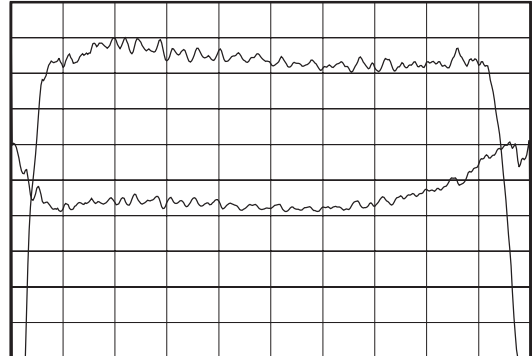


Data Sheet

Typical Performance



Horizontal: 12.5 MHz/Div
Vertical: 10 dB/Div

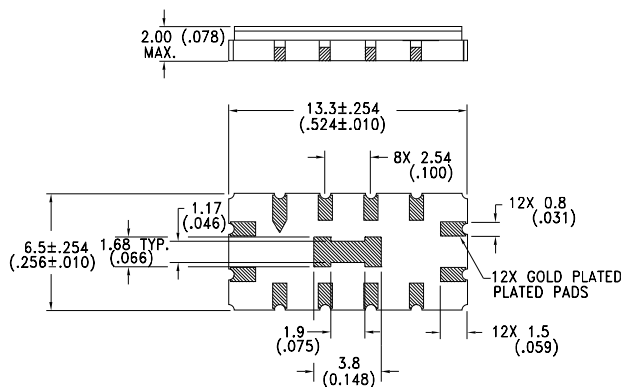


Horizontal: 4 MHz/Div
Vertical: 1 dB/Div
Vertical: 10 deg/Div

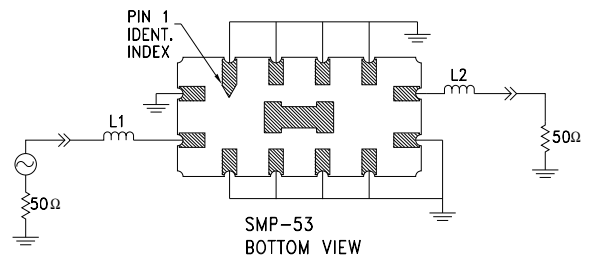
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.8	70	70.2
Insertion Loss at F_0	dB	-	20.2	21.5
2 dB Bandwidth	MHz	35.1	35.7	-
3 dB Bandwidth	MHz	36	36.2	-
40 dB Bandwidth	MHz	-	43.3	45
Passband Ripple	dB	-	1.25	2
Phase Linearity (90% of 3dB Bandwidth)	deg	-	9	13
Group Delay Variation (90% of 3dB Bandwidth)	nsec	-	52	80
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



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

11/29/99