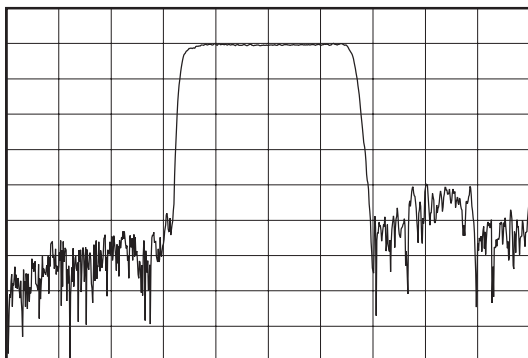
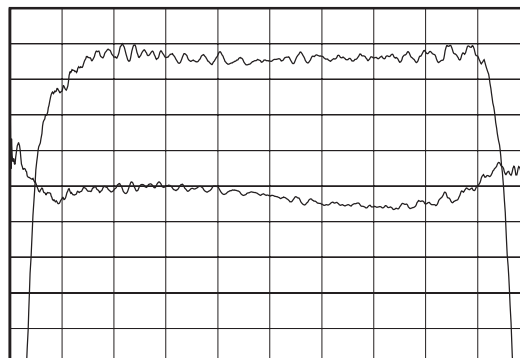


Data Sheet

Typical Performance



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

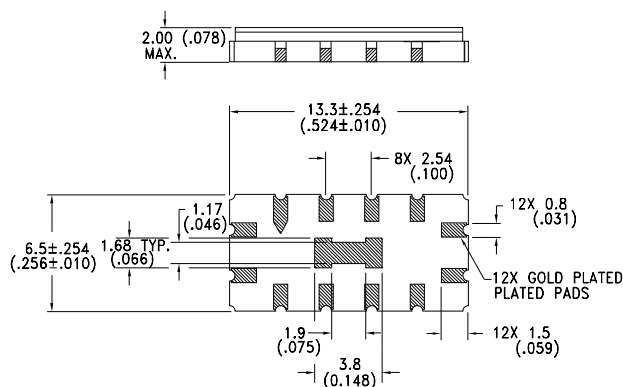


Horizontal: 4.5 MHz/Div
 Vertical: 1 dB/Div
 Vertical: 10 deg/Div

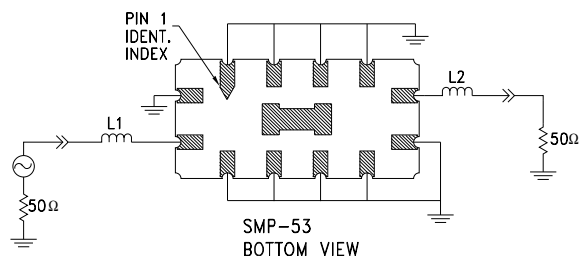
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.8	70	70.2
Insertion Loss at F_0	dB	-	21.5	22
2 dB Bandwidth	MHz	39.4	39.7	-
3 dB Bandwidth	MHz	40	40.35	-
40 dB Bandwidth	MHz	-	47.25	48.25
Passband Ripple	dB	-	1.1	2
Phase Linearity (90% of 3 dB Bandwidth)	deg	-	10	13
Group Delay Variation (90% of 3 dB Bandwidth)	nsec	-	50	90
Absolute Delay	μsec	-	1.08	-
Substrate Material	-	-	YZ LiNbO ₃	-
Temperature Coefficient	ppm/°C	-	-94	-
Ambient Temperature	°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