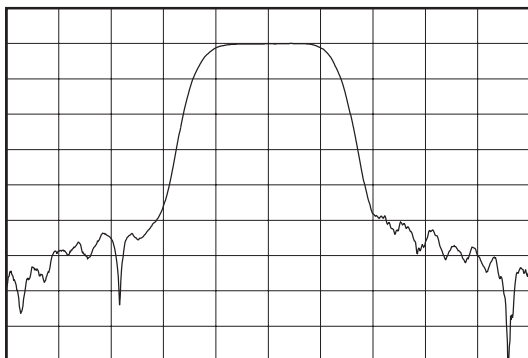
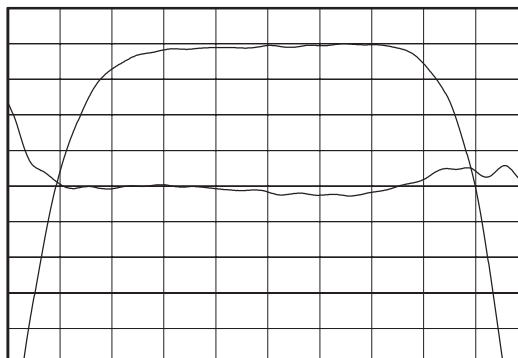


Typical Performance



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

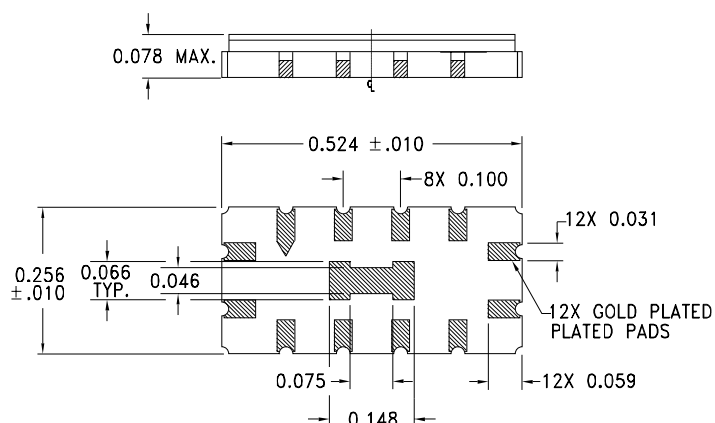


Horizontal: 600 kHz/Div
Vertical: 1 dB/Div
Vertical: 5 deg/Div

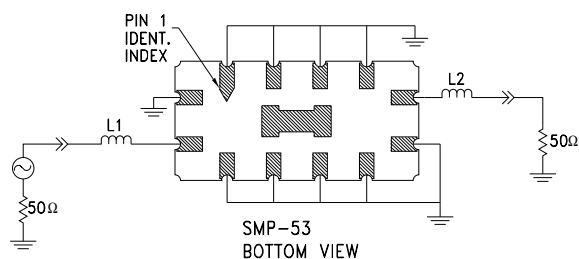
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency f_o	MHz	139.6	140	140.4
Insertion Loss at f_o	dB	-	10.85	12.5
1 dB Bandwidth	MHz	3.4	3.9	-
3 dB Bandwidth	MHz	4	4.6	-
40 dB Bandwidth	MHz	-	7.46	9.1
Passband Ripple(80% of 3dB BW)	dB	-	0.42	1
Phase Linearity(80% of 3dB BW)	degrees	-	2	6
Delay Variation(80% of 3dB BW)	nsec	-	27	100
Absolute Delay	μ sec	-	1.2	-
Substrate Material	-	-	LiTaO	-
Temperature Shift	ppm/ $^{\circ}$ C	-	-72	-
Ambient Temperature	$^{\circ}$ C	-	25	-

Package Outline



Matching Configuration



L1 = 82 nH, L2 = 68 nH
Nominal Source/Load Impedance = 50 Ω
Package Style SMP-53

12/2/99