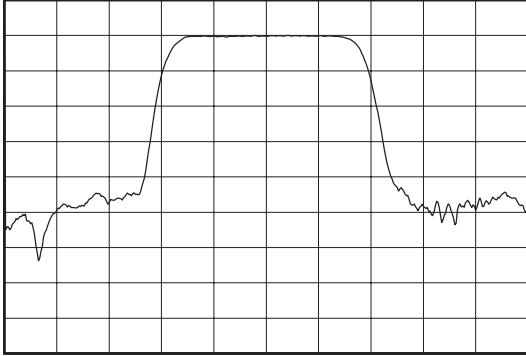
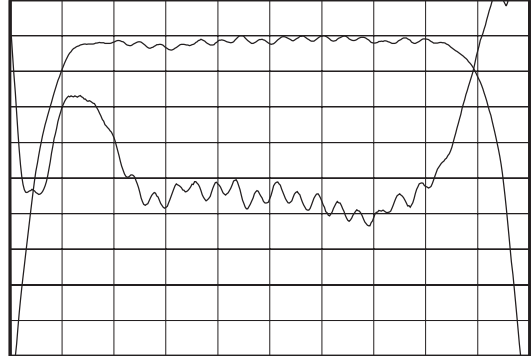


Data Sheet

Typical Performance



Horizontal: 3 MHz/Div
Vertical: 10 dB/Div

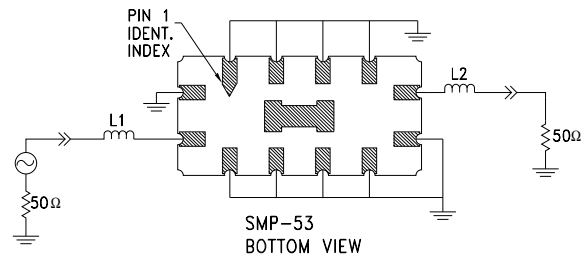
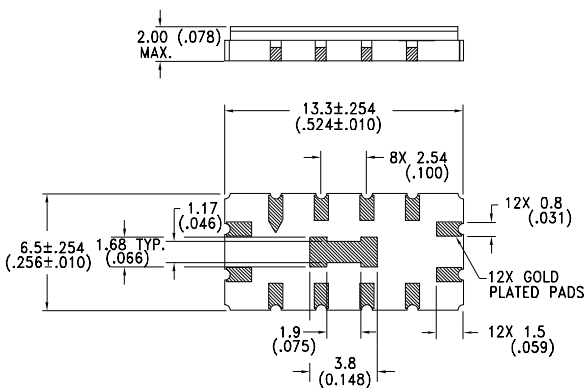


Horizontal: 1.2 MHz/Div
Vertical: 1 dB/Div
Vertical: 2 deg/Div

Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency f_o	MHz	139.6	140	140.4
Insertion Loss @ f_o	dB	-	8.3	11
1 dB Bandwidth	MHz	8	9.6	-
3 dB Bandwidth	MHz	10	10.59	-
35 dB Bandwidth	MHz	-	13.9	15
Passband Ripple (80% of 3 dB BW)	dB	-	0.4	-
Phase Linearity (80% of 3 dB BW)	degrees	-	9	15
Delay Variation (80% of 3 dB BW)	nsec	-	50	120
Absolute Delay	μ sec	-	1.062	-
Substrate Material	-	-	YZ LiNbO ₃	-
Temperature Shift	ppm/ $^{\circ}$ C	-	-94	-
Ambient Temperature	$^{\circ}$ C	-	25	-

Package Outline Matching Configuration



$L1 = 56 \text{ nH}$, $L2 = 33 \text{ nH}$
Nominal Source/Load Impedance = 50Ω
Package Style SMP-53

12/2/99