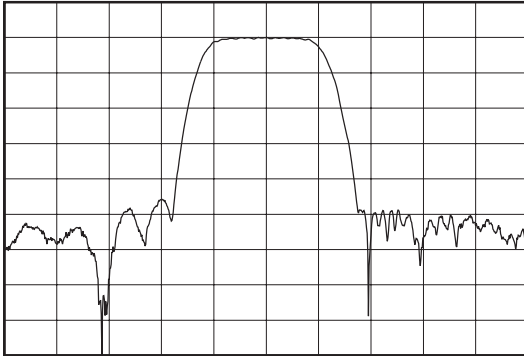
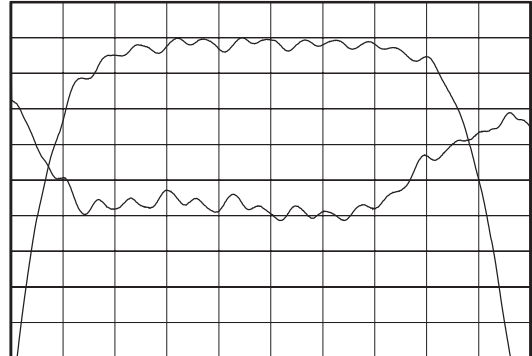


Data Sheet

Typical Performance



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

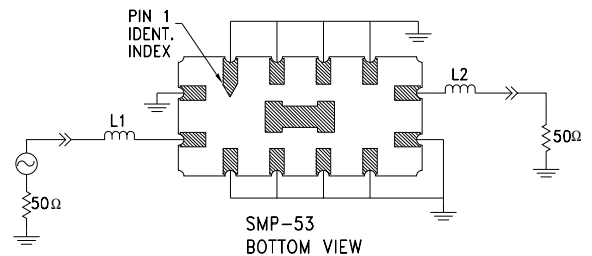
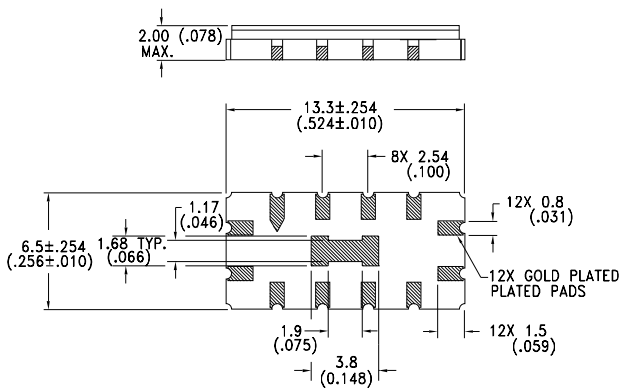


Horizontal: 800 kHz/Div
Vertical: 1 dB/Div
Vertical: 5 deg/Div

Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	69.8	70	70.2
Insertion Loss at F_0	dB	-	7.5	8.5
1 dB Bandwidth	MHz	5.1	5.35	-
3 dB Bandwidth	MHz	6	6.35	-
40 dB Bandwidth	MHz	-	10.2	10.65
Passband Ripple	dB	-	0.7	1
Phase Linearity (80% of 3dB Bandwidth)	deg	-	8.2	9.75
Group Delay Variation (80% of 3dB Bandwidth)	nsec	-	85	110
Absolute Delay	μ sec	-	1.01	-
Substrate Material	-	-	YZ LiNbO ₃	-
Temperature Coefficient	ppm/ $^{\circ}$ C	-	-94	-
Ambient Temperature	$^{\circ}$ C	-	25	-

Package Outline Matching Configuration



$L1 = 180\text{nH}$, $L2 = 150\text{nH}$
Nominal Source/Load Impedance = 50Ω
Package Style SMP-53

11/29/99