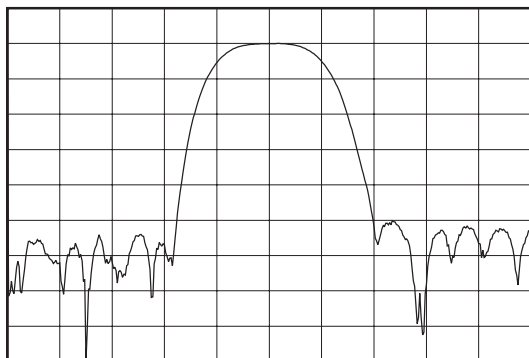
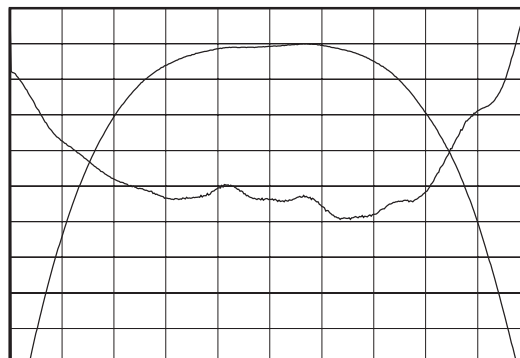


Preliminary Specifications

Typical Performance



Horizontal: 800 kHz/Div
 Vertical: 10 dB/Div

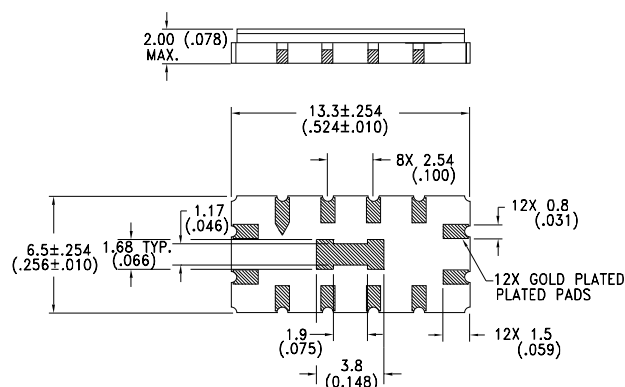


Horizontal: 200 kHz/Div
 Vertical: 1 dB/Div
 Vertical: 40 nsec/Div

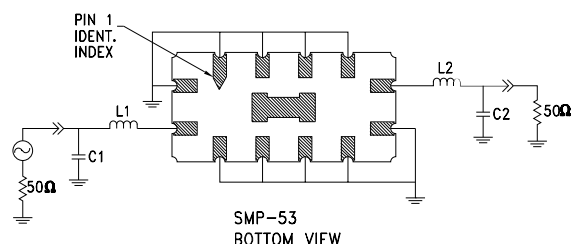
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	239.905	240	240.095
Insertion Loss	dB	-	9	11
3 dB Bandwidth	MHz	1.25	1.37	1.45
15 dB Lower Frequency	MHz	238.8	238.95	-
15 dB Upper Frequency	MHz	-	241.11	241.2
40 dB Lower Frequency	MHz	238.4	238.65	-
40 dB Upper Frequency	MHz	-	241.48	241.6
Group Delay Variation (240 MHz $\pm$ 0.5 MHz)	ns p-p	-	50	200
Input Power Level	dBm	-	10 dB Max	-
Substrate Material	-	-	Quartz	-
Operating Temperature Range	°C	-20	25	60

Package Outline



Matching Configuration



L1 = 22 nH , L2 = 33 nH
 C1 = 39 pf , C2 = 33 pf
 Nominal Source/Load Impedance = 50 Ω
 Package Style SMP-53

10/21/99