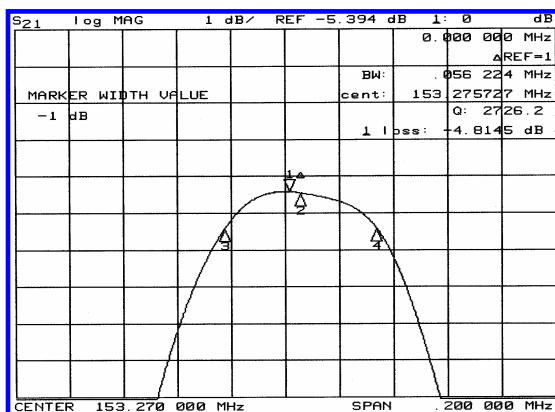
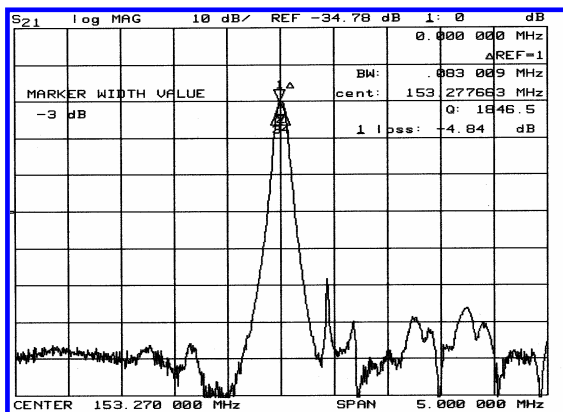


SGC Technologies Inc 153.3 MHz Bandpass Filter

0.6 MHz Bandwidth

512156

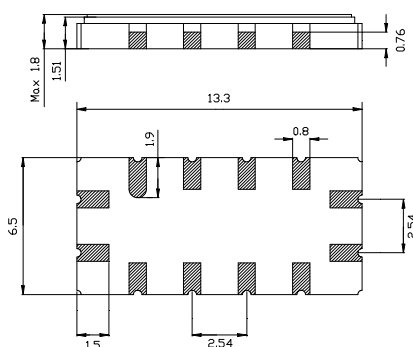
Typical Performance



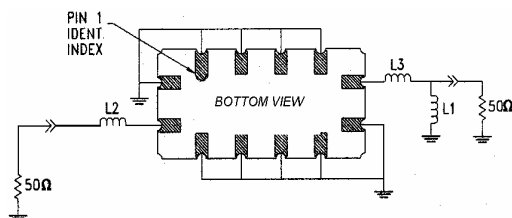
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	153.20	153.30	153.40
Insertion Loss	dB	-	5.0	6.0
1dB Bandwidth	Mhz	0.040	0.056	-
3dB Bandwidth	Mhz	0.060	0.083	-
40dB Bandwidth	Mhz	-	-	-
Passband Ripple	dB	-	0.65	1.00
Group Delay Variation	nsec	-	-	-
Absolute Delay	µsec	-	8.5	-
Ultimate Attenuation	dB	50	60	-
Substrate Material	-	Quartz		
Temperature Coefficient	ppm/°C	-0.03		

Package Dimension



Matching Configuration



L1 = 39nH, L2 = L3 = 220nH
 Source / Load Impedance = 50Ω
 Ambient Temperature = 25°C

03/10/2004