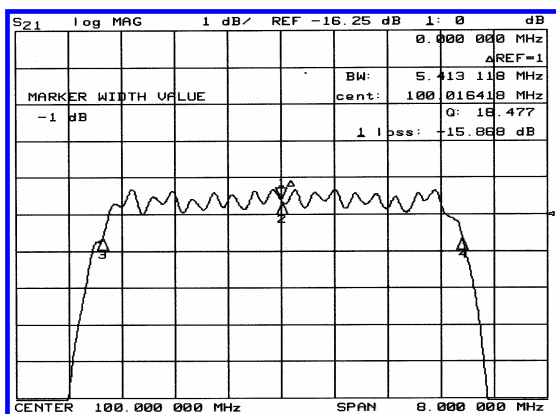
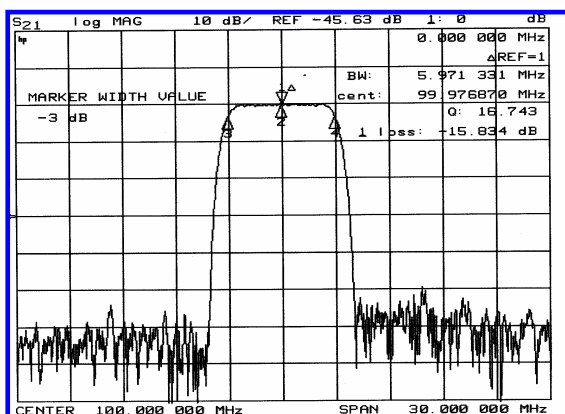


SGC Technologies Inc 100.0 MHz Bandpass Filter

5.9 MHz Bandwidth

512126

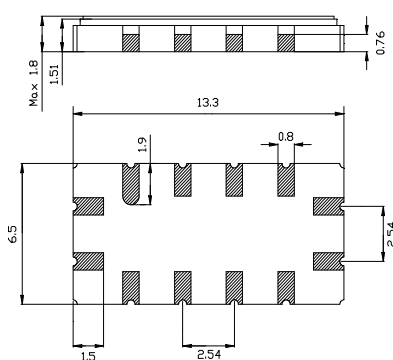
Typical Performance



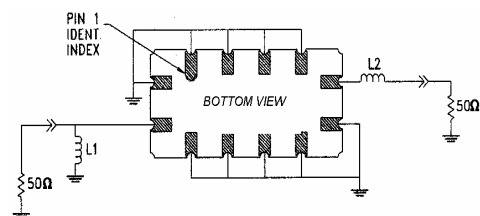
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	99.90	100.00	100.10
Insertion Loss	dB	-	16.0	17.0
1dB Bandwidth	Mhz	5.30	5.41	-
3dB Bandwidth	Mhz	5.90	5.97	-
40dB Bandwidth	Mhz	-	7.87	8.00
Passband Ripple	dB	-	0.75	1.00
Group Delay Variation	nsec	-	200	300
Absolute Delay	µsec	-	1.6	-
Ultimate Attenuation	dB	45	50	-
Substrate Material	-	YZ-LiNbO ₃		
Temperature Coefficient	ppm/°C	-94		

Package Dimension



Matching Configuration



L1 = 82nH , L2 = 100nH
 Source / Load Impedance = 50Ω
 Ambient Temperature = 25°C

10/17/2003