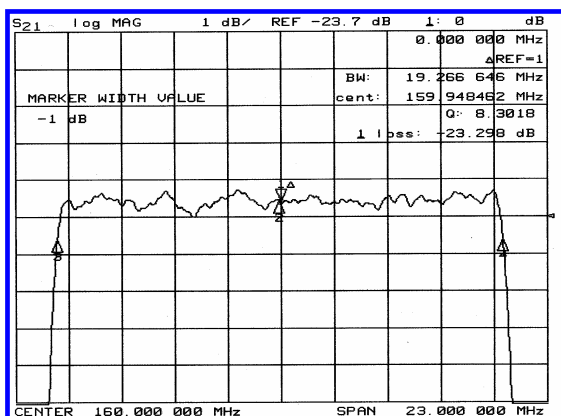
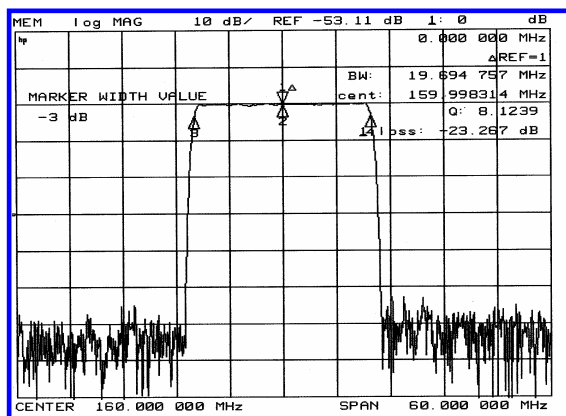


# SGC Technologies Inc 160.0 MHz Bandpass Filter 19.5 MHz Bandwidth

512066

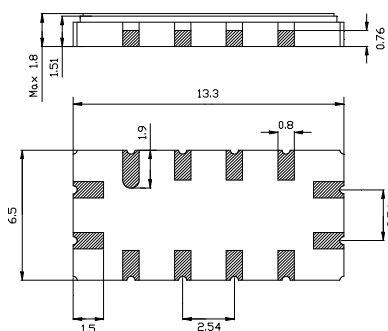
## Typical Performance



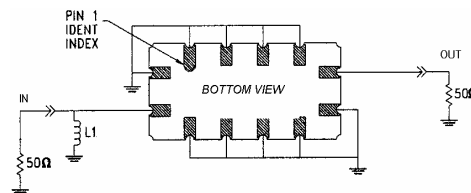
## Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	159.80	160.00	160.20
Insertion Loss	dB	-	23.5	24.5
1dB Bandwidth	Mhz	19.00	19.26	-
3dB Bandwidth	Mhz	19.50	19.69	-
40dB Bandwidth	Mhz	-	21.62	21.90
Passband Ripple	dB	-	0.65	1.00
Group Delay Variation	nsec	-	50	100
Absolute Delay	µsec	-	1.4	-
Ultimate Attenuation	dB	50	55	-
Substrate Material	-	128-LiNbO <sub>3</sub>		
Temperature Coefficient	ppm/°C	-72		

## Package Dimension



## Matching Configuration



L1 = 150nH  
Source / Load Impedance = 50Ω  
Ambient Temperature = 25°C

10/17/2003