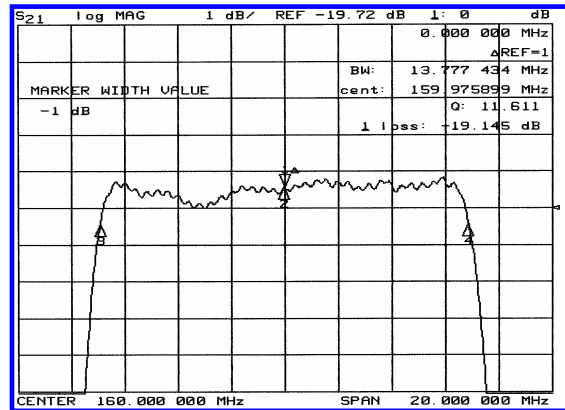
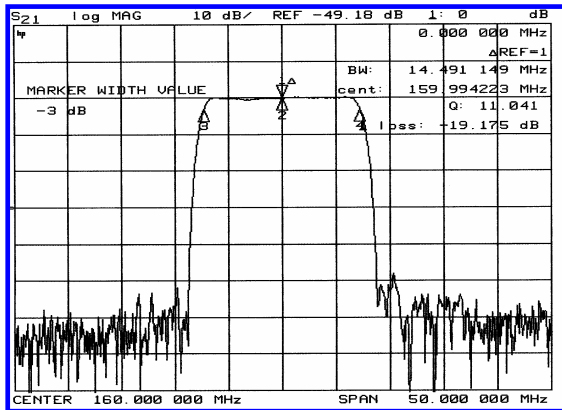


# SGC Technologies Inc 160.0 MHz Bandpass Filter 14.0 MHz Bandwidth

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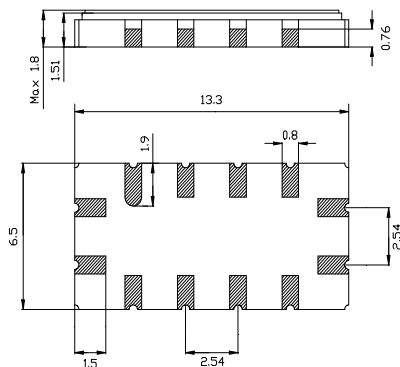
## Typical Performance



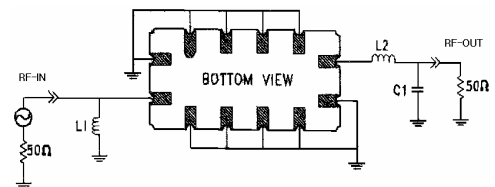
## Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	159.80	160.00	160.20
Insertion Loss	dB	-	19.5	21.5
1dB Bandwidth	Mhz	13.70	13.80	-
3dB Bandwidth	Mhz	14.00	14.50	-
40dB Bandwidth	Mhz	-	17.24	17.40
Passband Ripple	dB	-	-	1.00
Group Delay Variation	nsec	-	50	100
Absolute Delay	μsec	-	1.3	-
Third Order Intercept	dB	30.0		
Ultimate Attenuation				
10.0 Mhz ~ 130.0 Mhz	dB	50.0		
190.0Mhz ~ 250.0 Mhz	dB	50.0		-
Substrate Material	-		YZ-LiNbO <sub>3</sub>	

## Package Dimension



## Matching Configuration



$L1=0.15\mu\text{H}$  ,  $L2=39\text{nH}$  ,  $C1=33\text{pF}$   
 Source / Load Impedance = 50Ω  
 Ambient Temperature = 25°C

04/23/2004