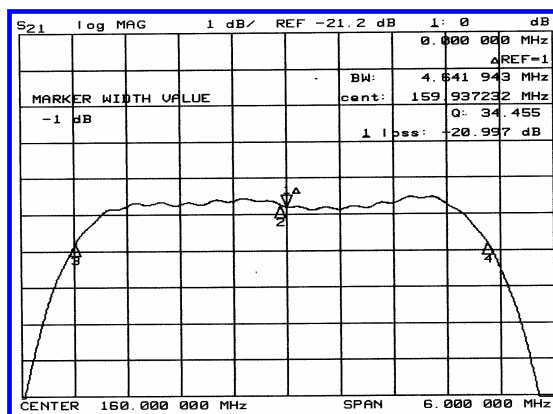
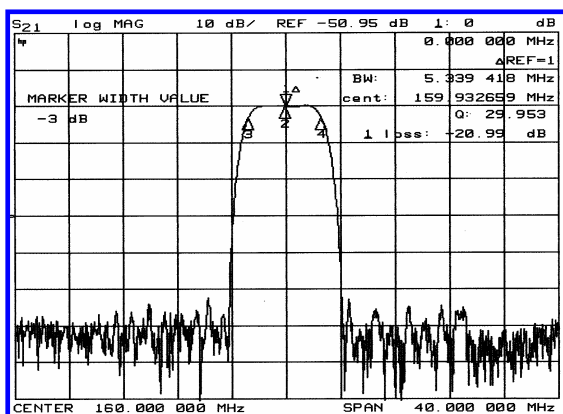


SGC Technologies Inc 160.0 MHz Bandpass Filter

5.3 MHz Bandwidth

512146

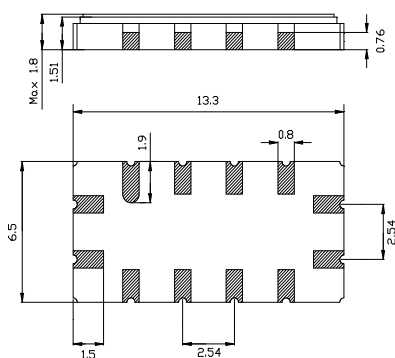
Typical Performance



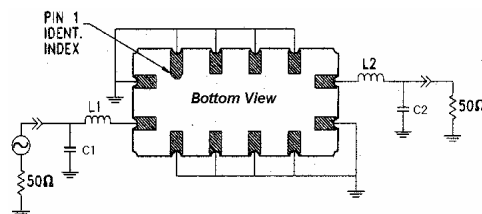
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	159.80	160.00	160.20
Insertion Loss	dB	-	21.0	22.5
1dB Bandwidth	Mhz	4.50	4.64	-
3dB Bandwidth	Mhz	5.30	5.39	-
40dB Bandwidth	Mhz	-	7.98	8.30
Passband Ripple	dB	-	0.75	1.00
Group Delay Variation	nsec	-	100	200
Absolute Delay	μsec	-	1.6	-
Ultimate Attenuation	dB	50	55	-
Substrate Material	-	LiTaO ₃		
Temperature Coefficient	ppm/°C	-20		

Package Dimension



Matching Configuration



L1= L2 = 33nH, C1= C2 = 20pF
 Source / Load Impedance = 50Ω
 Ambient Temperature = 25°C

10/17/2003