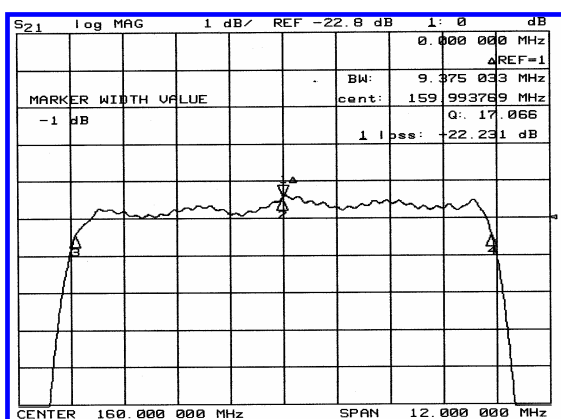
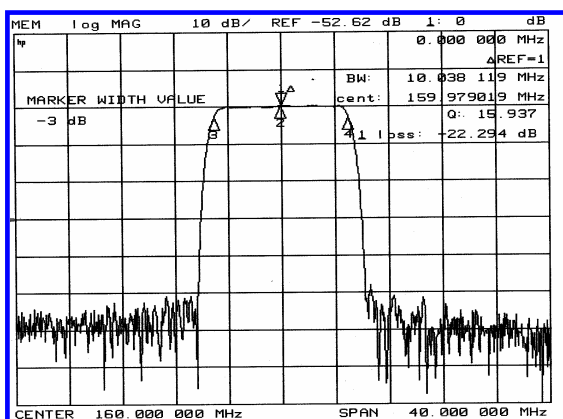


SGC Technologies Inc 160.0 MHz Bandpass Filter 10.0 MHz Bandwidth

512096

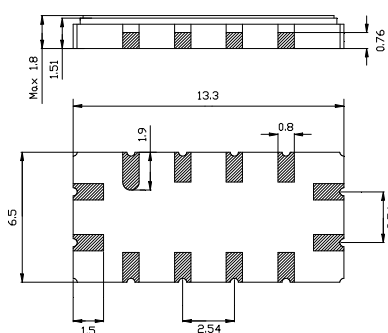
Typical Performance



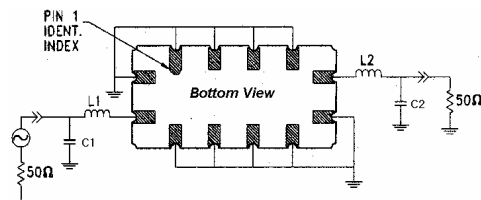
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	159.80	160.00	160.20
Insertion Loss	dB	-	22.5	23.5
1dB Bandwidth	Mhz	9.20	9.37	-
3dB Bandwidth	Mhz	9.90	10.00	-
40dB Bandwidth	Mhz	-	12.27	12.50
Passband Ripple	dB	-	0.65	1.00
Group Delay Variation	nsec	-	100	200
Absolute Delay	µsec	-	1.8	-
Ultimate Attenuation	dB	45	50	-
Substrate Material	-	LiTaO ₃		
Temperature Coefficient	ppm/°C	-20		

Package Dimension



Matching Configuration



L1=47nH, L2=39nH, C1=39pF, C2=33pF
Source / Load Impedance = 50Ω
Ambient Temperature = 25°C

10/17/2003