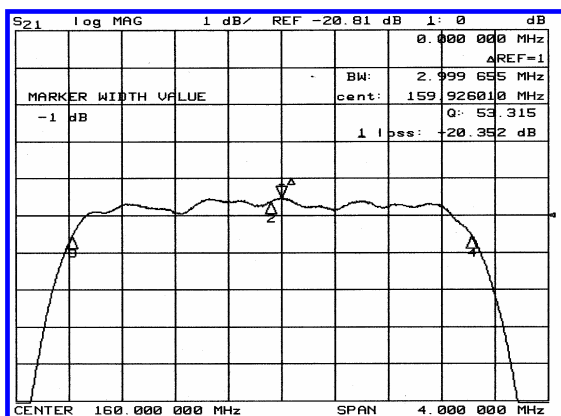
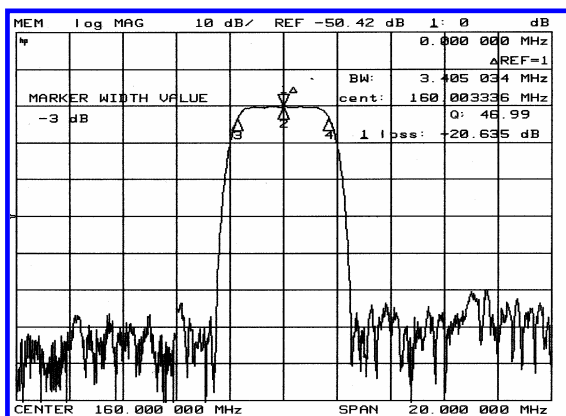


SGC Technologies Inc 160.0 MHz Bandpass Filter

3.2 MHz Bandwidth

512036

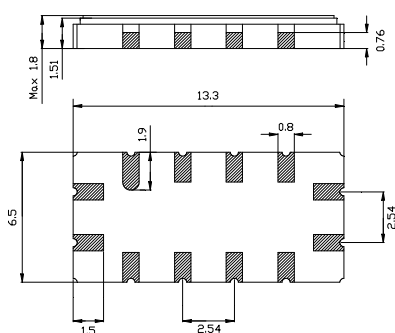
Typical Performance



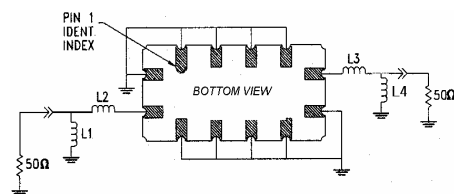
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	159.85	160.00	160.15
Insertion Loss	dB	-	20.5	22.0
1dB Bandwidth	Mhz	2.85	3.00	-
3dB Bandwidth	Mhz	3.20	3.40	-
40dB Bandwidth	Mhz	-	4.81	4.95
Passband Ripple	dB	-	0.55	0.70
Group Delay Variation	nsec	-	80	150
Absolute Delay	µsec	-	1.7	-
Ultimate Attenuation	dB	45	50	-
Substrate Material	-	Quartz		
Temperature Coefficient	ppm/°C	-0.03		

Package Dimension



Matching Configuration



L1=L4=56nH, L2=150nH, L3=33nH
 Source / Load Impedance = 50Ω
 Ambient Temperature = 25°C

10/17/2003