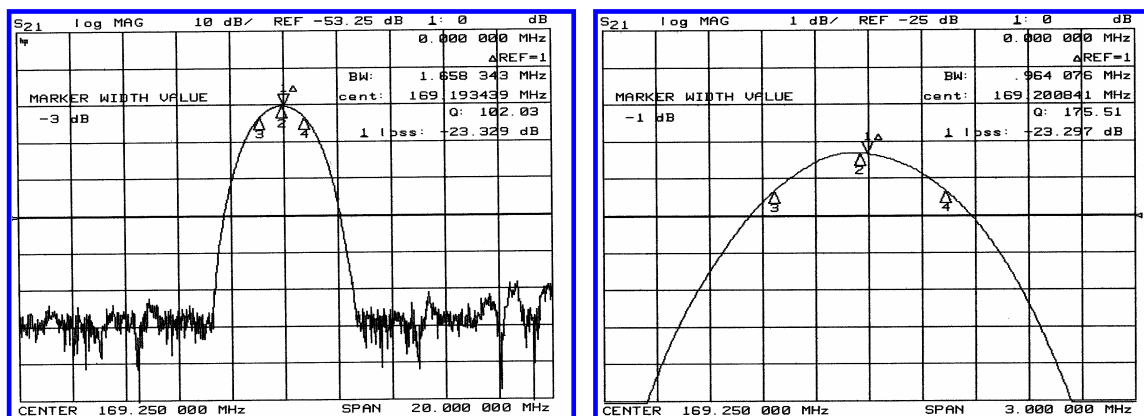


SGC Technologies Inc 169.25 MHz Bandpass Filter 1.5 MHz Bandwidth

512016

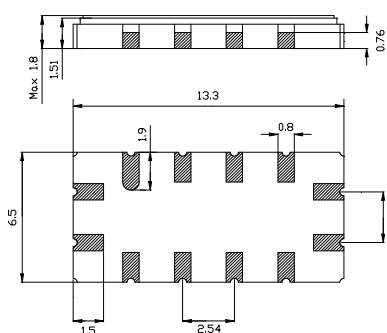
Typical Performance



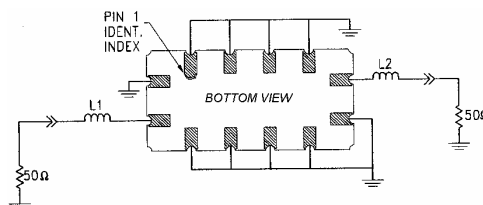
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	169.05	169.25	169.45
Insertion Loss	dB	-	23.5	25.0
1dB Bandwidth	Mhz	0.80	0.96	-
3dB Bandwidth	Mhz	1.50	1.65	-
40dB Bandwidth	Mhz	-	4.82	5.00
Passband Ripple	dB	-	0.5	1.0
Group Delay Variation	nsec	-	80	150
Absolute Delay	µsec	-	1.0	-
Ultimate Attenuation	dB	50	55	-
Substrate Material	-	Quartz		
Temperature Coefficient	ppm/°C	-0.03		

Package Dimension



Matching Configuration



$L1 = L2 = 47\text{nH}$,
Source / Load Impedance = 50Ω
Ambient Temperature = 25°C

10/17/2003