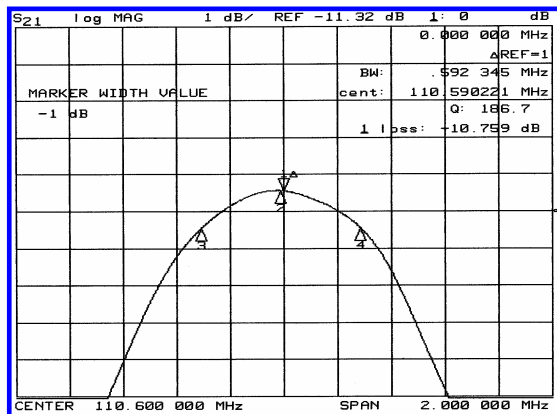
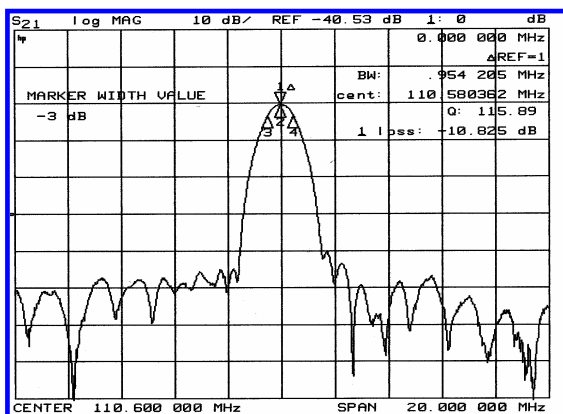


SGC Technologies Inc 110.592 MHz Bandpass Filter 0.80 MHz Bandwidth

512105

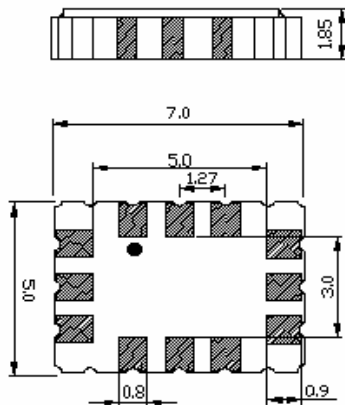
Typical Performance



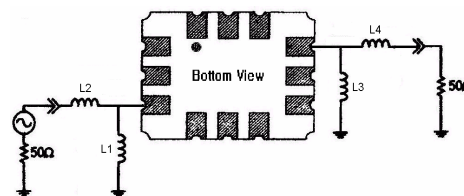
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	110.492	110.592	110.692
Insertion Loss	dB	-	10.50	12.00
1dB Bandwidth	Mhz	0.50	0.59	-
3dB Bandwidth	Mhz	0.80	0.96	-
30dB Bandwidth	Mhz	-	2.77	3.00
Passband Ripple	dB	-	0.65	1.00
Group Delay Variation	nsec	-	100	200
Absolute Delay	μsec	-	0.9	-
Ultimate Attenuation	dB	35	45	-
Substrate Material	-	Quartz		
Temperature Coefficient	ppm/°C	-0.03		

Package Dimension



Matching Configuration



L1=L3=39nH, L2=309nH, L4=405nH
 Source / Load Impedance = 50Ω
 Ambient Temperature = 25°C

02/16/2004(V1)