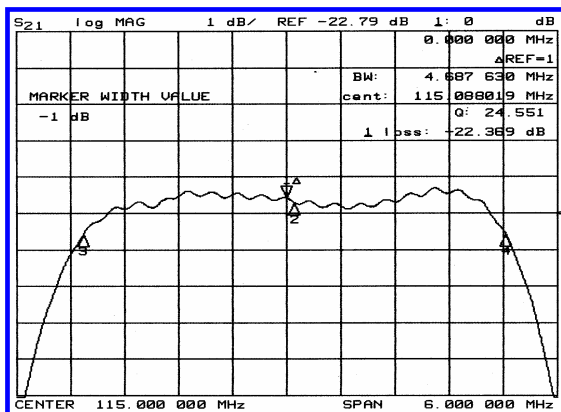
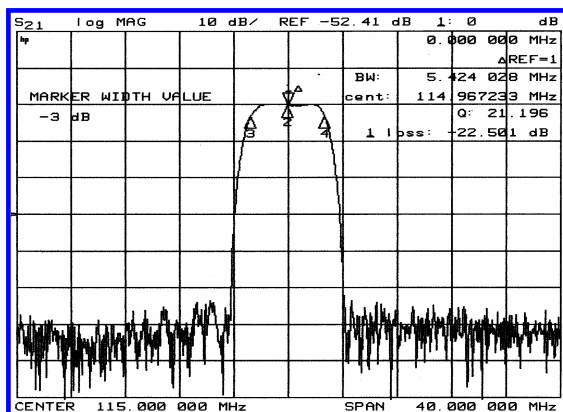


SGC Technologies Inc 115.0 MHz Bandpass Filter

5.3 MHz Bandwidth

512136

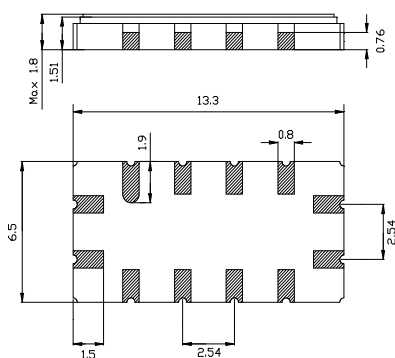
Typical Performance



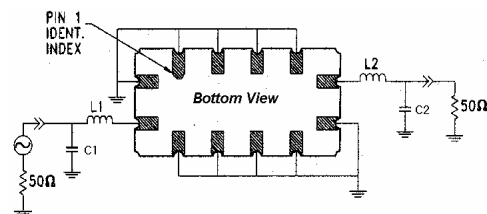
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	114.88	115.00	115.12
Insertion Loss	dB	-	22.5	24.0
1dB Bandwidth	Mhz	4.50	4.68	-
3dB Bandwidth	Mhz	5.30	5.42	-
40dB Bandwidth	Mhz	-	8.02	8.30
Passband Ripple	dB	-	0.75	1.00
Group Delay Variation	nsec	-	100	200
Absolute Delay	μsec	-	1.8	-
Ultimate Attenuation	dB	50	55	-
Substrate Material	-	LiTaO ₃		
Temperature Coefficient	ppm/°C	-20		

Package Dimension



Matching Configuration



L1=120nH, L2=82nH, C1=51pF, C2=24pF
 Source / Load Impedance = 50Ω
 Ambient Temperature = 25°C

10/17/2003