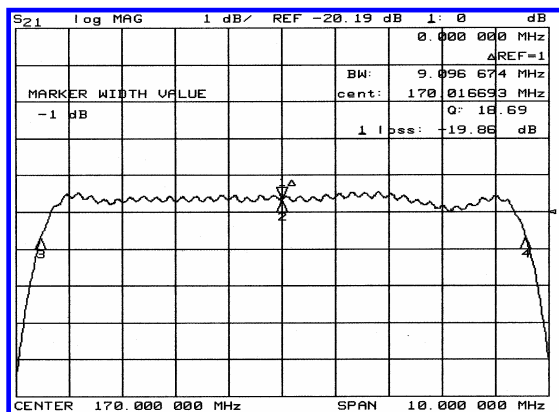
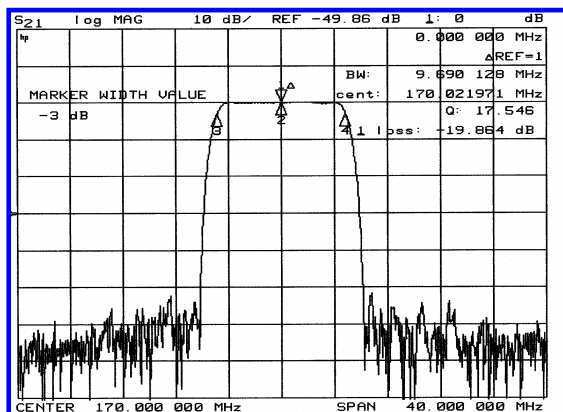


SGC Technologies Inc 170.0 MHz Bandpass Filter

9.5 MHz Bandwidth

512166

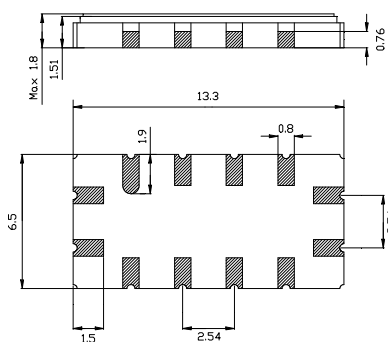
Typical Performance



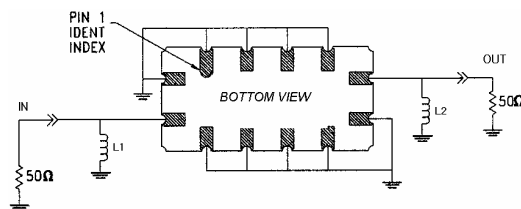
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	169.80	170.00	170.20
Insertion Loss	dB	-	20.0	21.0
1dB Bandwidth	Mhz	8.90	9.09	-
3dB Bandwidth	Mhz	9.50	9.68	-
40dB Bandwidth	Mhz	-	12.05	12.30
Passband Ripple	dB	-	0.75	1.00
Group Delay Variation	nsec	-	100	150
Absolute Delay	µsec	-	2.0	-
Ultimate Attenuation	dB	45	50	-
Substrate Material	-	LiTaO ₃		
Temperature Coefficient	ppm/°C	-20		

Package Dimension



Matching Configuration



L1 = 18nH , L1 = 27nH
 Source / Load Impedance = 50Ω
 Ambient Temperature = 25°C

12/01/2003