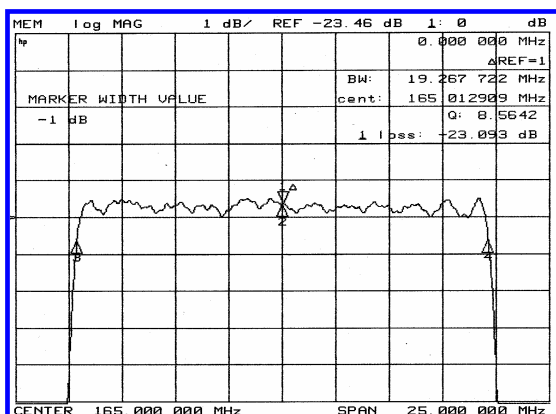
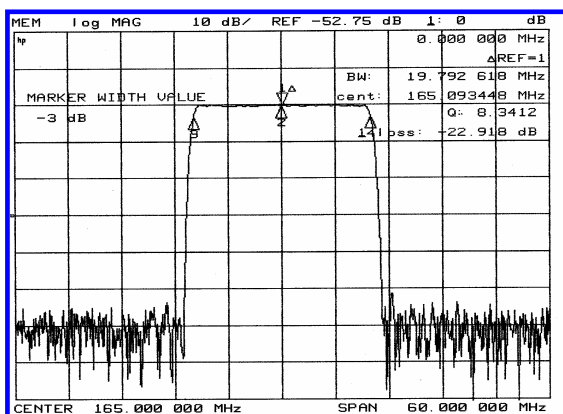


SGC Technologies Inc 165.0 MHz Bandpass Filter

19.6 MHz Bandwidth

512026

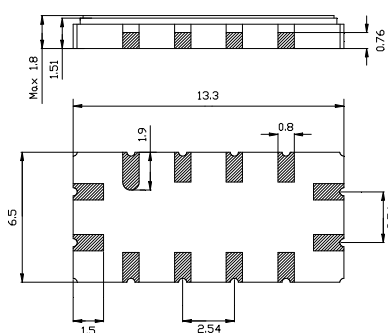
Typical Performance



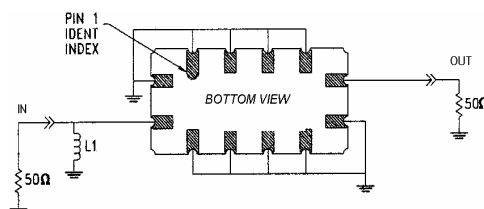
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	164.80	165.00	165.20
Insertion Loss	dB	-	23.0	24.5
1dB Bandwidth	Mhz	19.10	19.26	-
3dB Bandwidth	Mhz	19.60	19.79	-
40dB Bandwidth	Mhz	-	21.85	22.00
Passband Ripple	dB	-	0.55	1.00
Group Delay Variation	nsec	-	50	100
Absolute Delay	µsec	-	1.4	-
Ultimate Attenuation	dB	50	55	-
Substrate Material	-	128-LiNbO ₃		
Temperature Coefficient	ppm/°C	-72		

Package Dimension



Matching Configuration



L1 = 120nH ,
 Source / Load Impedance = 50Ω
 Ambient Temperature = 25°C