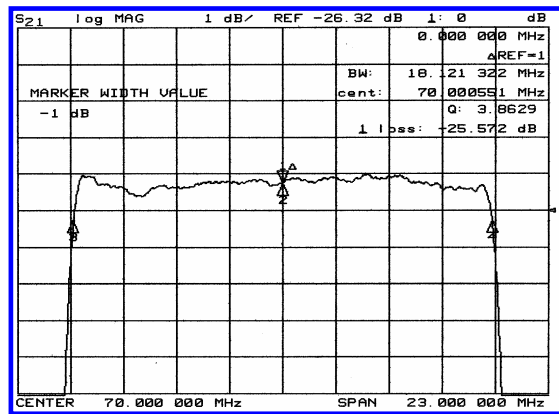
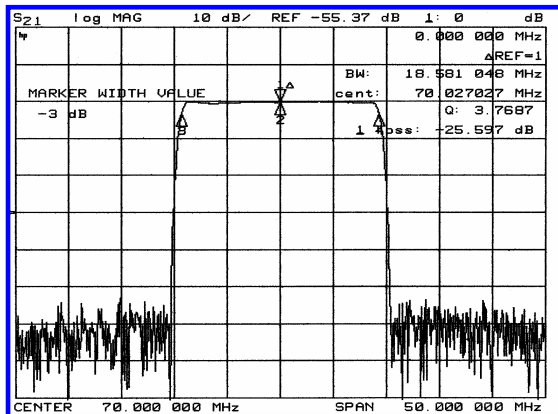


SGC Technologies Inc 70 MHz Bandpass Filter

18.5 MHz Bandwidth

321132

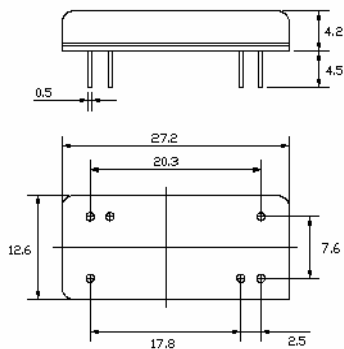
Typical Performance



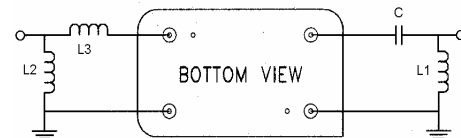
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	69.92	70.00	70.08
Insertion Loss	dB	-	25.50	27.00
1dB Bandwidth	MHz	18.00	18.12	-
3dB Bandwidth	Mhz	18.40	18.58	-
40dB Bandwidth	Mhz	-	20.40	20.60
Passband Ripple	dB	-	0.65	1.00
Group Delay Variation	nsec	-	100	200
Absolute Delay	µsec	-	1.80	-
Ultimate Attenuation	dB	50	55	-
Substrate Material	-	128-LiNbO ₃		

Package Dimension



Matching Configuration



L1=0.18µH, L2=0.33µH, L3=0.18µH, C=27pF
 Source / Load Impedance = 50Ω
 Ambient Temperature = 25°C

06/14/2002