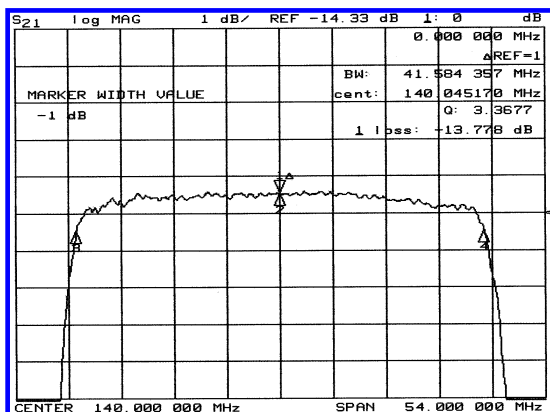
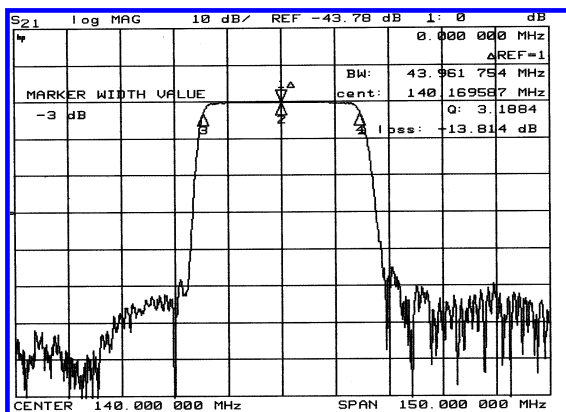


SGC Technologies Inc 140.0 MHz Bandpass Filter

44.0 MHz Bandwidth

512276

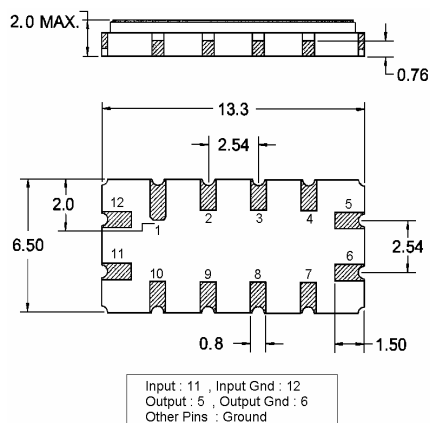
Typical Performance



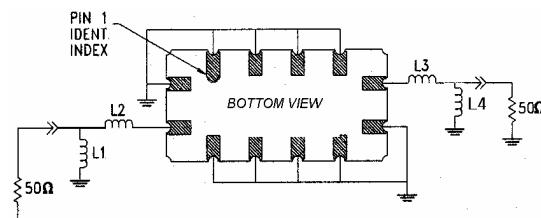
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	139.80	140.00	140.20
Insertion Loss	dB	-	14.00	15.50
1dB Bandwidth	Mhz	41.30	41.58	-
3dB Bandwidth	Mhz	43.80	43.95	-
40dB Bandwidth	Mhz	-	53.35	54.00
Passband Ripple	dB	-	0.55	1.00
Group Delay Variation	nsec	-	20	50
Absolute Delay	µsec	-	0.5	-
Ultimate Attenuation	dB	40	45	-
Substrate Material	-	YZ-LiNbO ₃		
Temperature Coefficient	ppm/°C	-94		

Package Dimension



Matching Configuration



L1=68nH, L2=27nH, L3=12nH, L4=56nH
Source / Load Impedance = 50Ω
Ambient Temperature = 25°C

10/06/2004