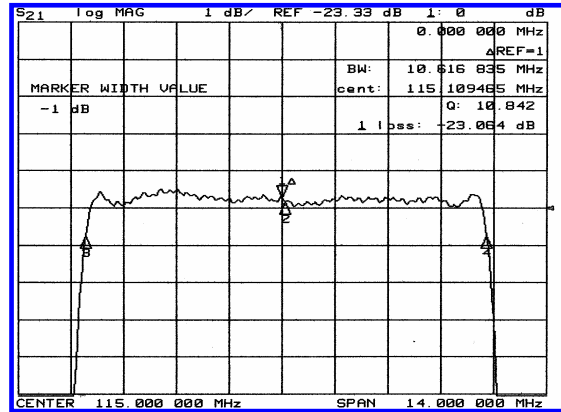
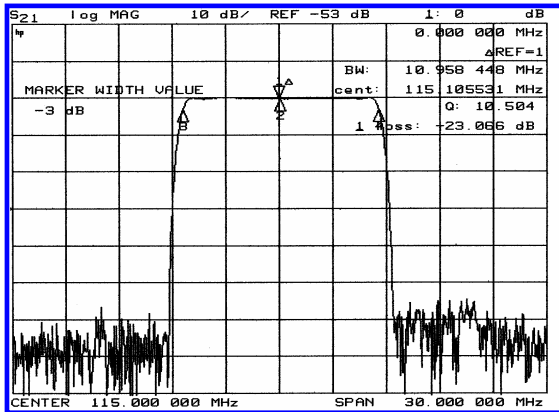


SGC Technologies Inc 115 MHz Bandpass Filter 10.8 MHz Bandwidth

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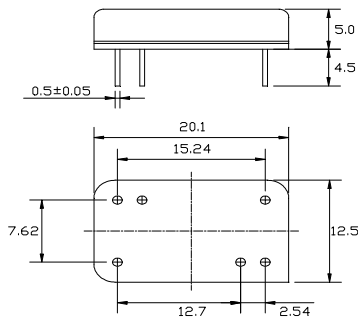
Typical Performance



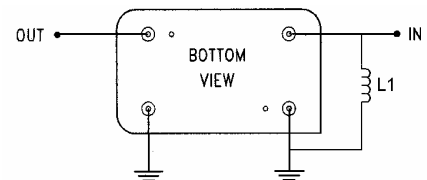
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	114.90	115.10	115.20
Insertion Loss	dB	-	23.00	24.50
1dB Bandwidth	MHz	10.50	10.62	-
3dB Bandwidth	Mhz	10.80	10.95	-
40dB Bandwidth	Mhz	-	12.37	12.50
Passband Ripple	dB	-	0.45	0.80
Group Delay Variation	nsec	-	80	150
Absolute Delay	µsec	-	2.21	-
Ultimate Attenuation	dB	50	60	-
Substrate Material	-	YZ- LiNbO ₃		

Package Dimension



Matching Configuration



L1 = 180nH
Source / Load Impedance = 50Ω
Ambient Temperature = 25°C

06/19/2003