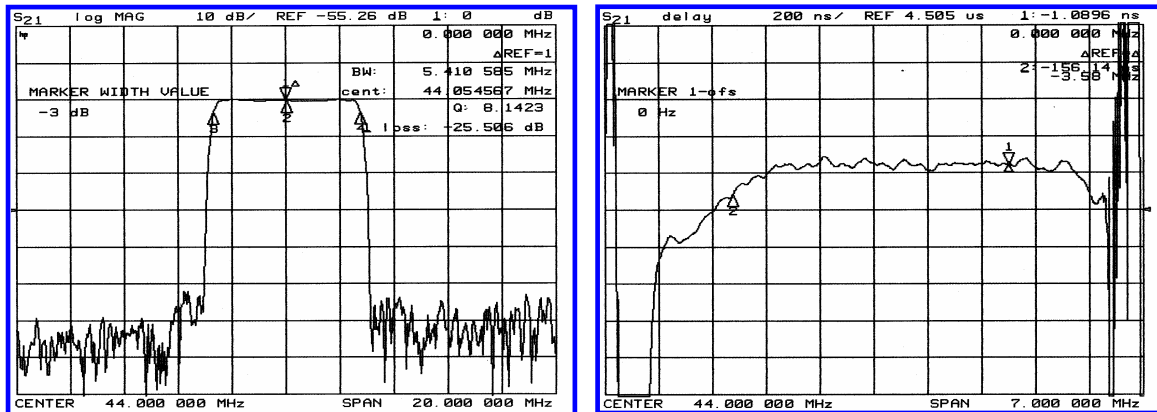


SGC Technologies Inc 44.075 MHz Bandpass Filter

5.3 MHz Bandwidth

310134

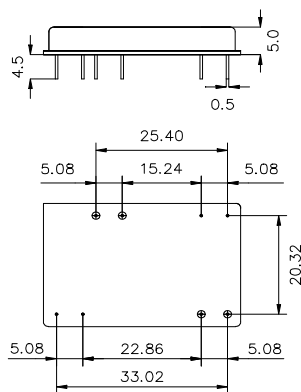
Typical Performance



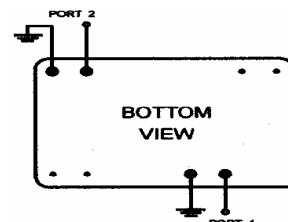
Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	44.040	44.075	44.110
Insertion Loss	dB	-	25.50	27.00
3dB Bandwidth	Mhz	5.30	5.41	-
40dB Bandwidth	Mhz	-	6.08	-
Passband Ripple	dB	-	0.70	1.00
Group Delay Variation	nsec	-	100	150
Absolute Delay	µsec	-	4.5	-
Delay Difference(45.75-3.58Mhz)	nsec	-	150	-
Ultimate Attenuation	dB	50	55	
Substrate Material	-	YZ-LiNbO ₃		
Temperature Coefficient	ppm/°C	-94		

Package Dimension



Matching Configuration



Bottom View
 Source / Load Impedance = 50Ω
 Ambient Temperature = 25°C

05/02/2003