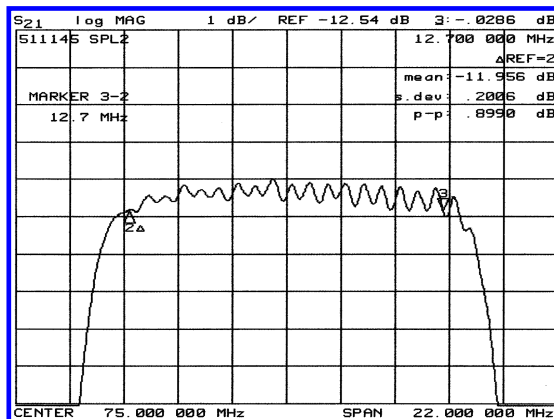
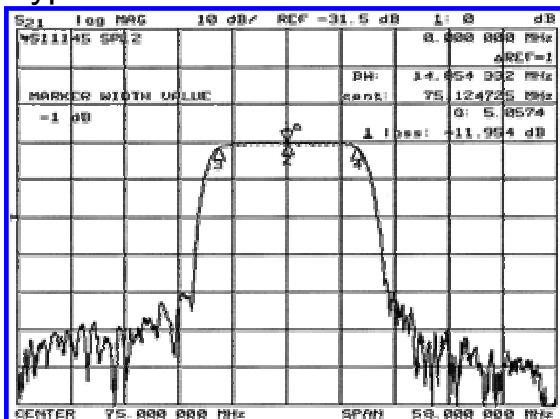


# SGC Technologies Inc 75.00 MHz Bandpass Filter 14.00 MHz Bandwidth

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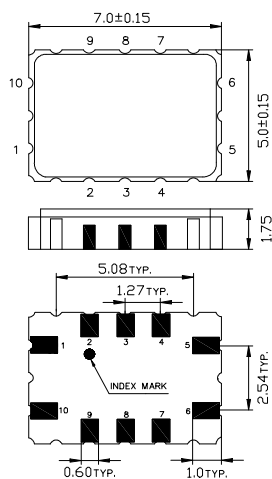
## Typical Performance



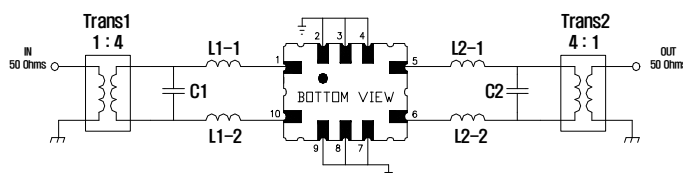
## Specification

Parameter	Unit	Min.	Typ.	Max.
Center Frequency	Mhz	-	75.00	-
Insertion Loss	dB	-	12.00	16.00
1dB Bandwidth	Mhz	$F_o \pm 6.35$	$F_o \pm 7.43$	-
Passband Ripple( $F_o \pm 6.35$ Mhz)	dB	-	-	1.5
GroupDelay Variation( $F_o \pm 6.35$ Mhz)	nsec	-	75	200
Attenuation ( $F_o - 18.8 \sim 10.95$ Mhz)	dB	40.0	43.0	-
Attenuation ( $F_o + 10.95 \sim +18.8$ Mhz)	dB	32.0	36.0	-
Attenuation ( $F_o + 18.8 \sim +100.0$ Mhz)	dB	40.0	45.0	-
Differential input Impedance	ohms	-	250	-
Differential output Impedance	ohms	-	250	-
Substrate Material	-	LiNbO <sub>3</sub>		
Operating Temperature Range	°C	-40	25	85

## Package Dimension



## Matching Configuration



L1-1=L1-2=150nH , C1=20pF  
L2-1=L2-2=330nH , C2=13pF  
Source / Load Impedance = 50Ω  
Ambient Temperature = 25°C

14/06/2004

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14.00 MHz Bandwidth

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Typical Performance

