



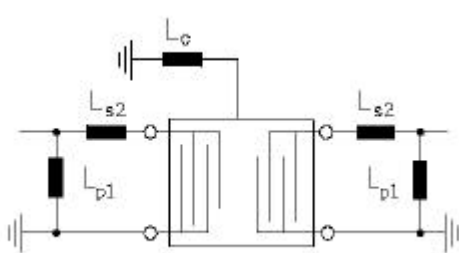
Sichuan Institute of Piezoelectric and Acoustooptic Technology

SP19001 IF SAW Filters

Electrical Characteristic:

Characteristic	Sym	Unit	Spec
Nominal Center Frequency	F_0	MHz	190
3dB Bandwidth	ΔF_{3dB}	MHz	0.3
Stop Band Attenuation (from peak level)		dB	
1) $F_0-50\text{MHz} \dots F_0-0.5\text{MHz}$			40min
2) $F_0-0.5\text{MHz} \dots F_0-0.33\text{MHz}$			27min
3) $F_0+0.33\text{MHz} \dots F_0+0.35\text{MHz}$			25min
4) $F_0+0.35\text{MHz} \dots F_0+0.5\text{MHz}$			27min
5) $F_0+0.5\text{MHz} \dots F_0+50\text{MHz}$			32min
Insertion Loss(at F_0 point)	IL	dB	6max
Group Delay Deviation(with $F_0 \pm 70\text{kHz}$)	ΔT	us	0.7max
Input/Output Impedance (Nominal)			See fig1

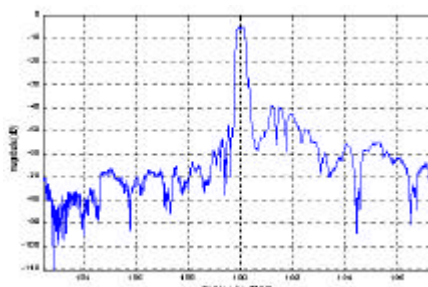
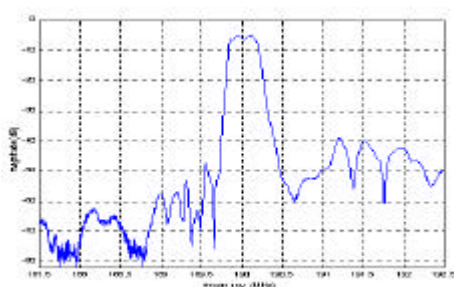
Input/Output Impedance(fig1):



$L_{p1} = 270\text{nH}$; $L_{s2} = 160\text{nH}$; $L_c = 78\text{nH}$

This may be changed according to PCB

Frequency Characteristic(fig3):



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