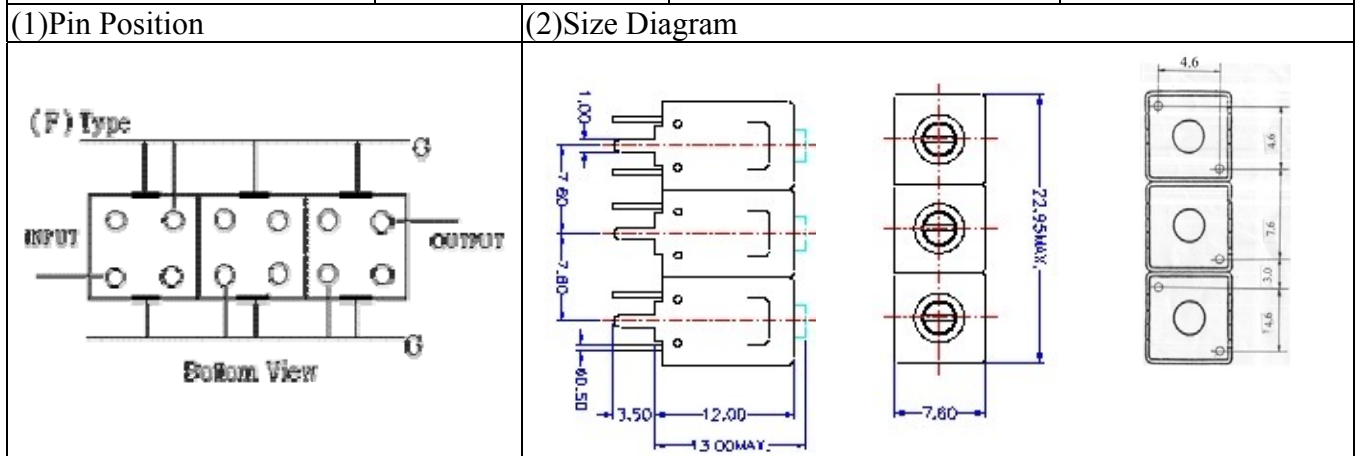


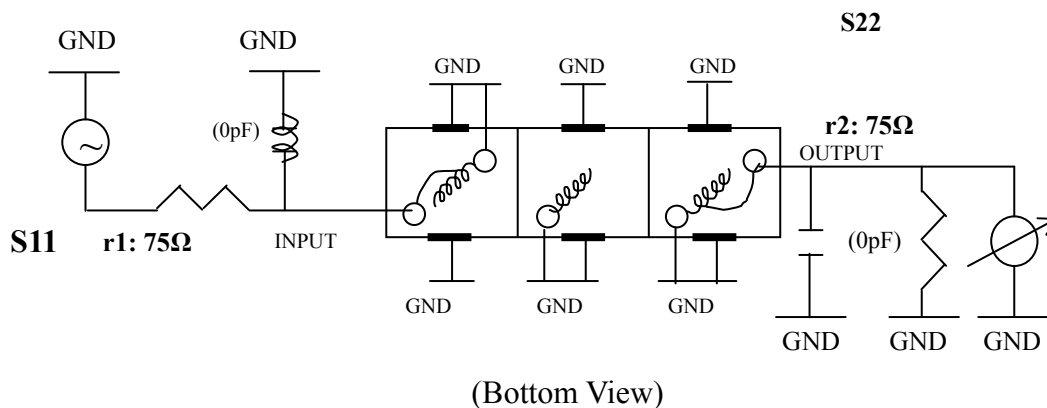
VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTL6309F-193.25M
Approval No. /dated	0611034APR	Acceptable Specify Fo Range	166~195 MHz
Work Instruction No.	0611034DC	Date	Nov.21.2006



(3) Electric Characteristic			
Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		193.25 MHz	193.25 MHz
Tunable Range		193.25±2 MHz	193.25±2 MHz
Insertion Loss		Typ. 4.0 dB	2.97 dB
-3 dB Bandwidth		Typ. 6 MHz	7.2 MHz
Sensitivity (Attenuation)	Fo - 10 MHz	Typ. 22 dB	25 dB
	Fo + 10 MHz	Typ. 18 dB	21 dB
	Fo - ()MHz	Typ. dB	dB
	Fo +()MHz	Typ. dB	dB
Return Loss		Min. 12 dB	27.3 dB
Ripple		< 1 dB	dB
Impedance		In / Out : 75 Ω	In / Out : 75 Ω
(4) Torque for Tuning Screw		> 100gf · cm	
(5) Temperature Condition:			
Operating Temperature		-0°C ~ +60°C	
Storage Temperature		-20°C ~ +70°C	
(6) Input Power		> 1Watt	

(7) Measuring Circuit: ※Easy to match Impedance S11/S22 75Ω by parallel with about(0pF)/(0pF).



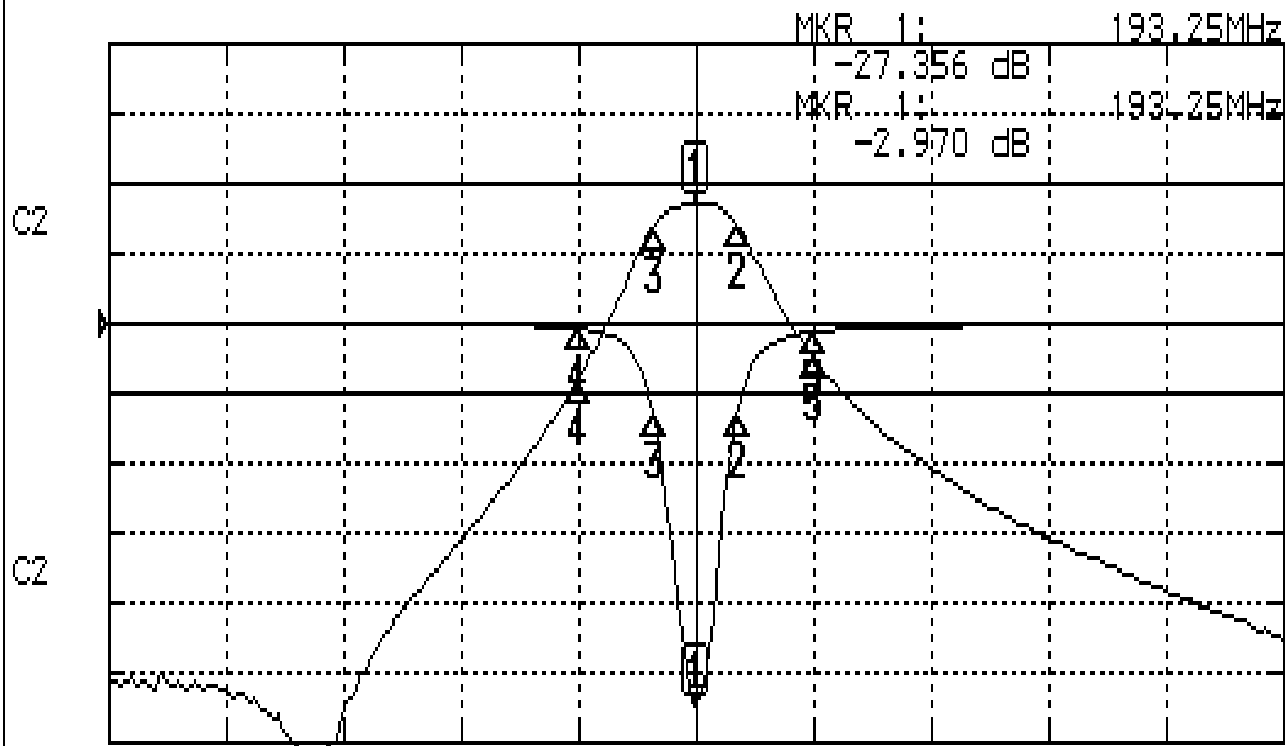
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	W.W.Wang	7H3(4*5.5)F 7H024LB4

TEMWELL CORPORATION

Performance-TTL6309F-193.25M

0611034DC

CH1 S11 LOG MAG REF 0.000 dB 5.000 dB/
CH2 S21 LOG MAG REF 0.000 dB 10.000 dB/



CENTER 193.25MHz

[10.00 dBm]

SPAN 100MHz

CH1 MARKER LIST

1:	193.250MHz	-27.356	dB
2:	196.833MHz	-6.331	dB
3:	189.666MHz	-6.458	dB
4:	183.250MHz	-0.340	dB
5:	203.250MHz	-0.582	dB

CH2 MARKER LIST

1:	193.250MHz	-2.970	dB
2:	196.833MHz	-15.990	dB
3:	189.666MHz	-16.022	dB
4:	183.250MHz	-27.992	dB
5:	203.250MHz	-24.754	dB