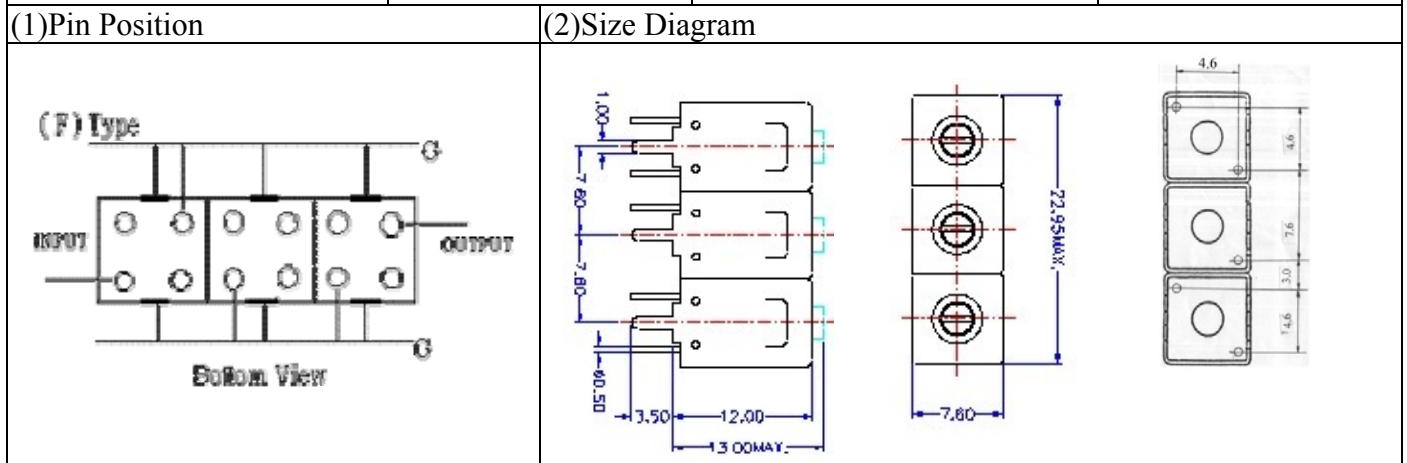


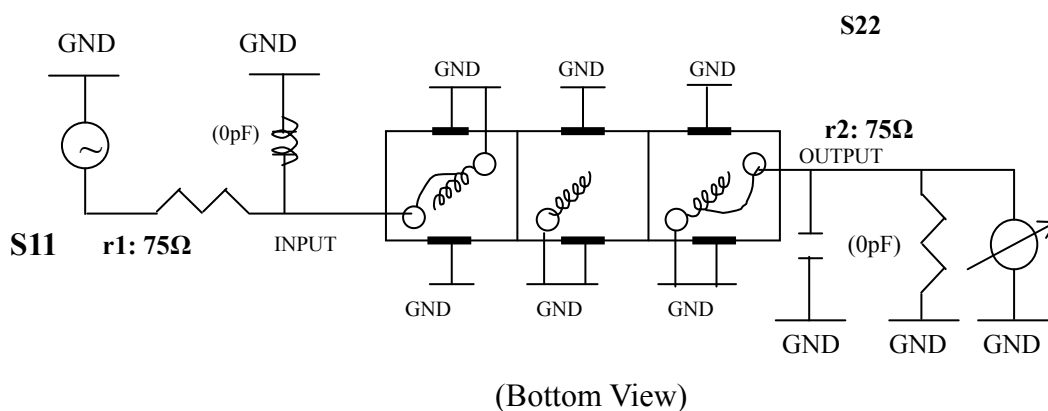
VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TTL63117F-171.5M
Approval No. /dated	0701038APR	Acceptable Specify Fo Range	166~195 MHz
Work Instruction No.	0701038DC	Date	Jan.15.2006



Item		Specify	Performance
Center Freq.(Fo) +/- 0.5 %		171.5 MHz	171.5 MHz
Tunable Range		171.5±2 MHz	171.5±2 MHz
Insertion Loss		Typ. 4.0 dB	3.26 dB
-3 dB Bandwidth		Typ. 7 MHz	7.9 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	28.9 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).



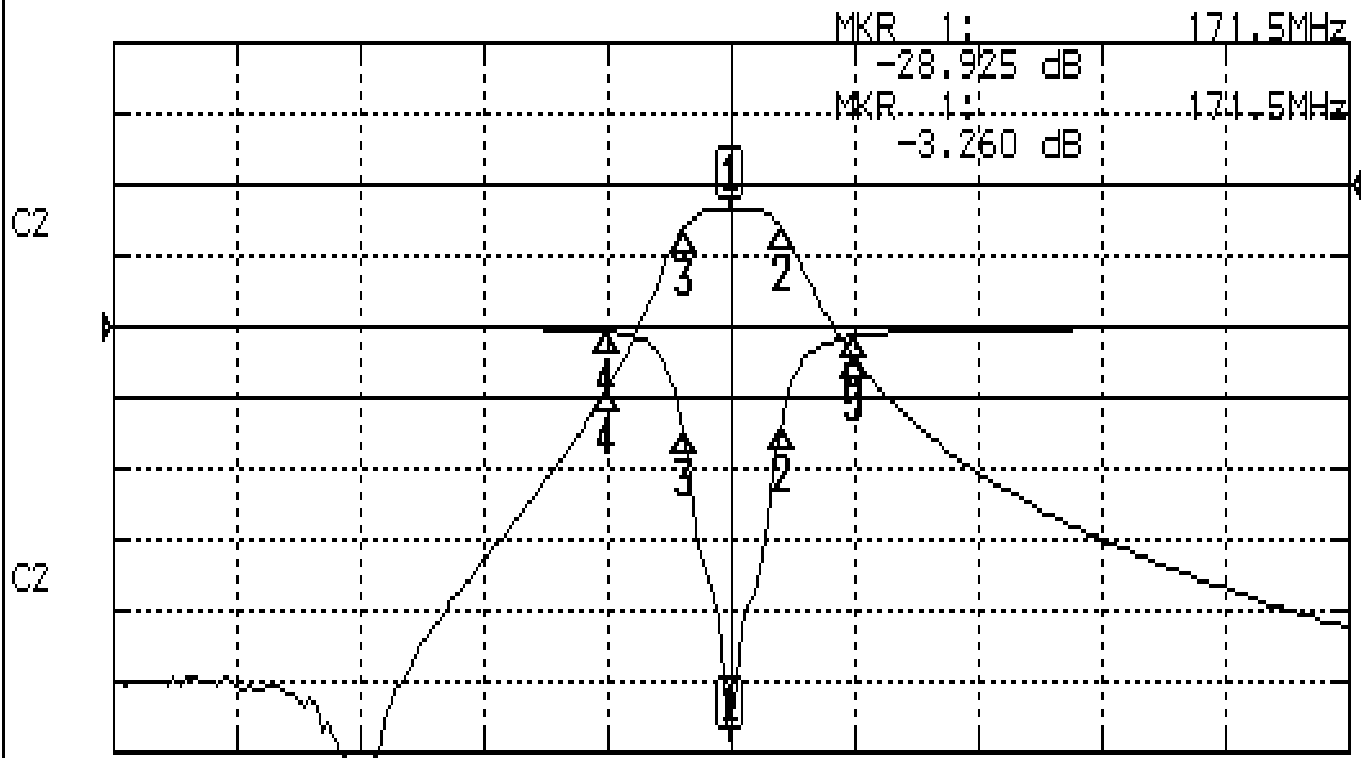
Approval	Supervisor	Designer	Aperture size
C.Y.Chang	C.S.Chang	W.W.Wang	7H3(4*5.5)F 7H00LB4

TEMWELL CORPORATION

Performance-TTL63117F-171.5M

0701038DC

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



CENTER 171.5MHz

[10.00 dBm]

SPAN 100MHz

CH1 MARKER LIST

1	171.500MHz	-28.981	dB
2	175.583MHz	-6.081	dB
3	167.666MHz	-7.510	dB
4	161.500MHz	-0.380	dB
5	181.500MHz	-0.658	dB

CH2 MARKER LIST

1	171.500MHz	-3.260	dB
2	175.583MHz	-6.248	dB
3	167.666MHz	-6.262	dB
4	161.500MHz	-20.030	dB
5	181.500MHz	-24.242	dB