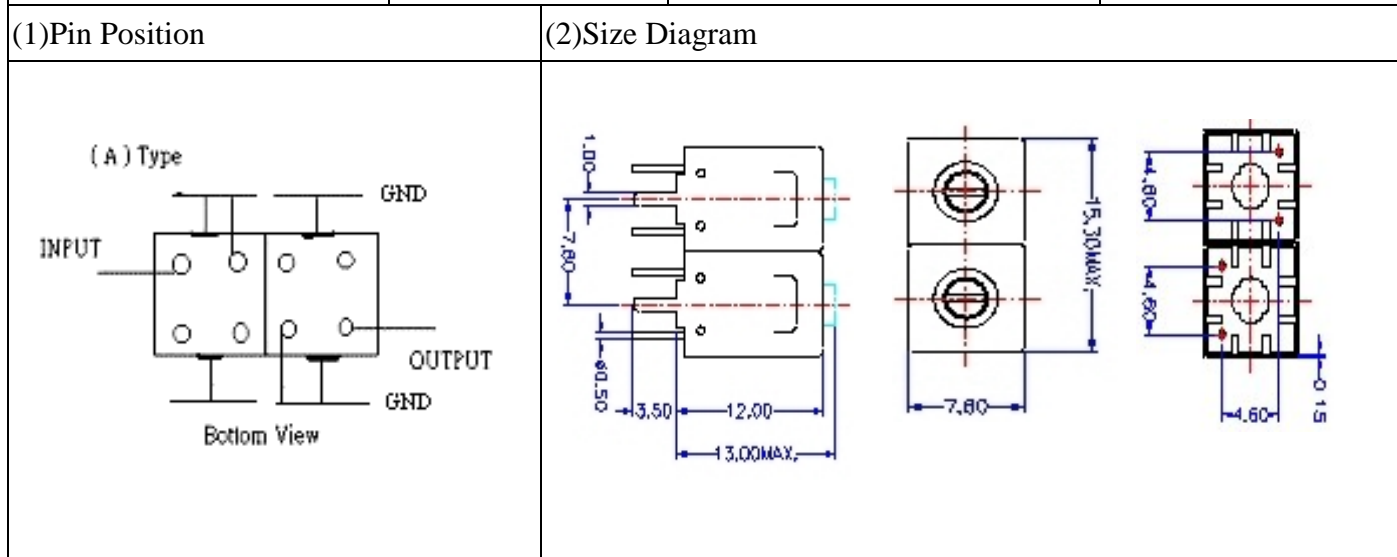


# VHF UHF Helical Filter Specification Sheet

Customer Name		Temwell's Part No.	TD6812A-113.25M
Approval No. /dated	9703130	Acceptable Specify Fo. Range	108~125MHz
Work Instruction No.	9703130	Date	Oct.02.1997



(3) Electric Character

Item	Specify	Performance	
Center Freq.(Fo ) +/- 0.5 %	113.25 MHz	113.25 MHz	
Tunable Range	113.25±2 MHz	113.25±2 MHz	
Insertion Loss	Typ. 4.5 dB	3.7 dB	
-3 dB Bandwidth	Typ. 3.0 MHz	4.34 MHz	
Sensitivity (Attenuation)	Fo - 20 MHz	Typ. 30 dBc	32 dBc
	Fo + 20 MHz	Typ. 37 dBc	39 dBc
	Fo - ( )MHz	Typ. dBc	dBc
	Fo +( )MHz	Typ. dBc	dBc
Return Loss	Min. 12 dB	13 dB	
Ripple	< 1 dB	dB	
Impedance	In / Out : 50 Ω	In / Out : 50 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

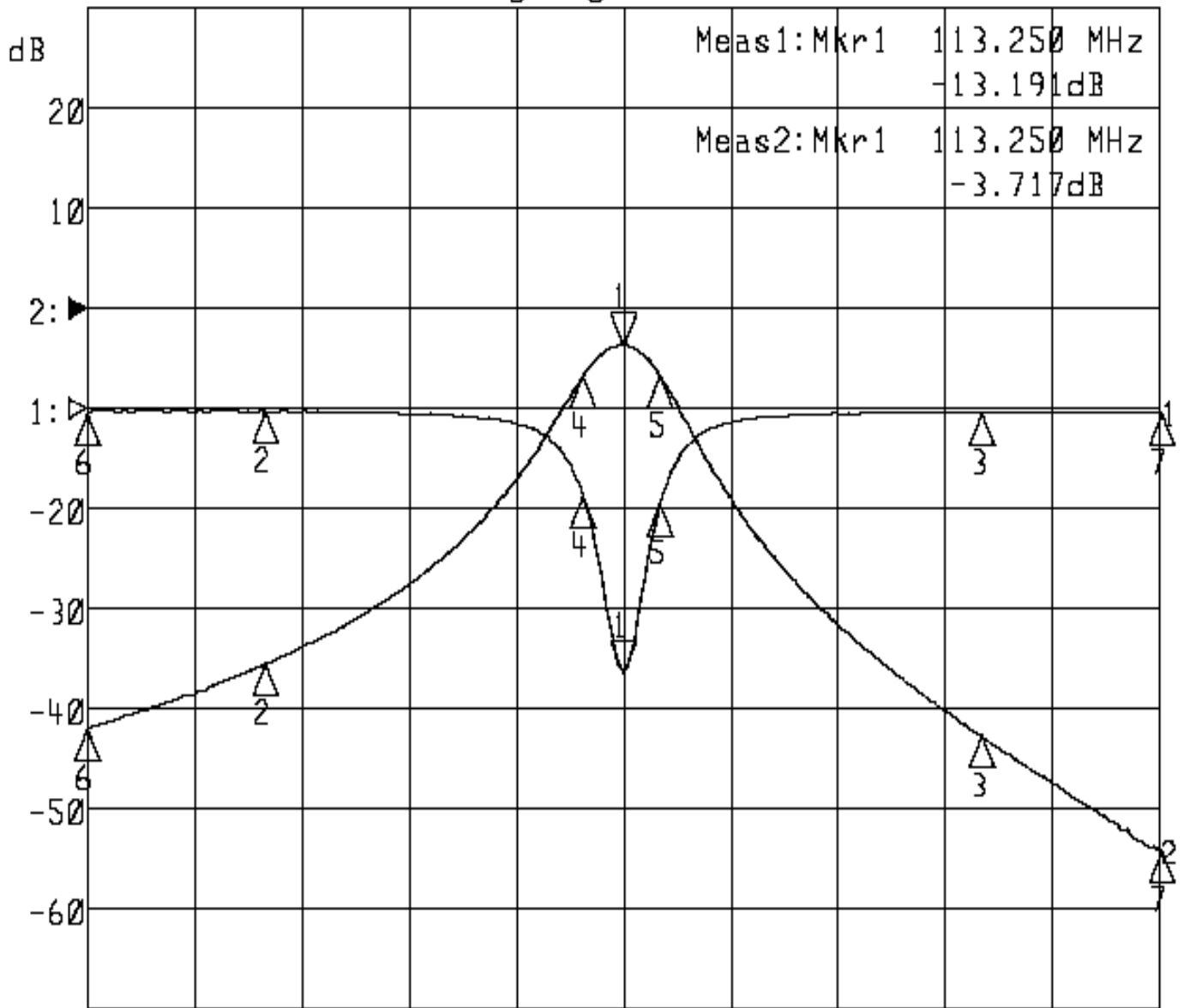
Approval	Supervisor	Designer	Aperture size
C.Y. Chang	C.S. Chang	C.S. Chang	7H2S(4*5.5)F 7H00LB4

TEMWELL CORPORATION

# Performance- TD6812A-113.25M

## 9703130

▶1: S11 Refl Port1 Log Mag 5.0 dB/ Ref 0.00 dB C  
 ▶2: S21 Fwd Trans Log Mag 10.0 dB/ Ref 0.00 dB C



Meas1: Mkr1 113.250 MHz  
 -13.191 dB  
 Meas2: Mkr1 113.250 MHz  
 -3.717 dB

Center 113.250 MHz

Span 60.000 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 113.2500	-13.191	1> 113.2500	-3.717
2: 93.2500	-0.166	2: 93.2500	-35.554
3: 133.2500	-0.224	3: 133.2500	-42.723
4: 110.9900	-4.313	4: 110.9900	-6.752
5: 115.3300	-4.710	5: 115.3300	-6.714
6: 83.2500	-0.188	6: 83.2500	-42.044
7: 143.2500	-0.200	7: 143.2500	-54.197